HCD-RXD2

SERVICE MANUAL

US Model

HCD-RXD2 is the tuner, deck, CD and amplifier section in MHC-RXD2.

CD SECTION	Model Name Using Similar Mechanism	HCD-G101
	CD Mechanism Type	CX3
	Base Unit Type	KSM-213ECM
	Optical Pick-up Type	KSS-213ECM/C2NP
TAPE DECK SECTION	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CWL-44-FF

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS:

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

with 6 ohm loads both channels driven, from 70 – 20,000 Hz; rated 30 watts per channel minimum RMS power, with no more than 0.9% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Continuous RMS power output: 35 watts + 35 watts (6 ohms at 1 kHz, 10% THD)

Outputs

PHONES (stereo phone jack): accepts headphones of 8 ohms or more.

SPEAKER: accepts impedance of 6 to 16 ohms

CD player section

System	Compact disc and digital audio system
Laser	Semiconductor laser (λ = 780 nm) Emission duration: continuous
Laser output	Max. 44.6 μW* * This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Frequency response	20 Hz – 20 kHz (±0.5 dB)
Wavelength	780 – 790 nm
Output Level	–18 dBm

Tape deck section

Recording system	4-track 2-channel stereo
Frequency response	40 – 13,000 Hz (±3 dB), using Sony TYPE I cassette
Wow and flutter	±0.15% W.Peak (IEC) 0.1% W.RMS (NAB) ±0.2% W.Peak (DIN)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna	FM lead antenna
Antenna terminals	75 ohm unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range	530 – 1,710 kHz
Antenna	AM loop antenna
Antenna terminals	External antenna terminal
Intermediate frequency	450 kHz

Speaker

Speaker system	2-way, bass-reflex type
Speaker units	
Woofer:	13 cm, cone type
Tweeter:	2 cm, PIEZO type
Nominal impedance	6 ohms
Dimensions (w/h/d)	Approx. 220 x 320 x 221 mm ($8\ ^3/_4$ x $12\ ^5/_8$ x $8\ ^3/_4$ in)
Mass	Approx. 2.8 kg (6 lb 3 oz.) net per speaker

General

Power requirements	120 V AC, 60 Hz
Power consumption	80 watts
Dimensions (w/h/d) incl. projecting parts and controls	Approx. 280 x 320 x 370 mm ($11\ ^1/_8$ x $12\ ^5/_8$ x $14\ ^5/_8$ in)
Mass	Approx. 6.5 kg (14 lb 5 oz.)
Supplied accessories:	AM loop antenna (1) FM lead antenna (1) Remote (1)

Design and specifications are subject to change without notice.

MINI Hi-Fi COMPONENT SYSTEM

MICROFILM

SONY®

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

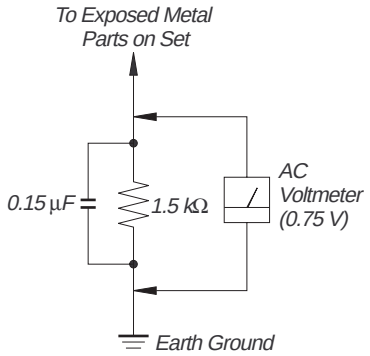


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

1. GENERAL ····· 4

2. DISASSEMBLY

2-1. CD Door ····· 5
2-2. CD Mechanism Deck ····· 6
2-3. Front Panel ····· 6
2-4. Main Board ····· 7
2-5. Front Board ····· 7
2-6. CD Tray ····· 8
2-7. CD Decord Board ····· 8
2-8. Base Unit ····· 9
2-9. Cassette Lid (L) / (R) ····· 9

3. TEST MODE ····· 10

4. MECHANICAL ADJUSTMENTS ····· 11

5. ELECTRICAL ADJUSTMENTS ····· 11

6. DIAGRAMS

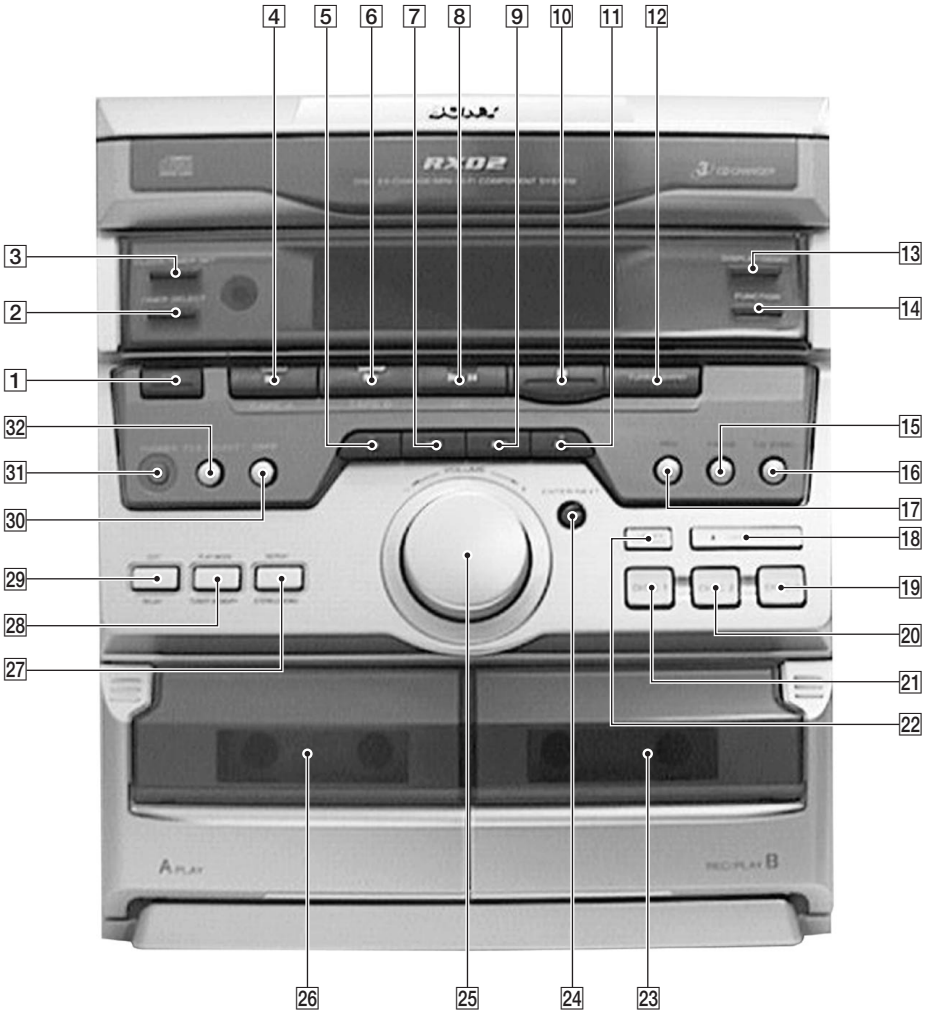
6-1. Circuit Boards Location ····· 16
6-2. Block Diagrams ····· 17
• Tuner, CD Section ····· 17
• Main Section ····· 19
6-3. Printed Wiring Board – CD Decoder Section – ····· 23
6-4. Schematic Diagram – CD Decoder Section – ····· 25
6-5. Printed Wiring Board – Front Section – ····· 27
6-6. Schematic Diagram – Front Section – ····· 29
6-7. Printed Wiring Board – Main Section – ····· 31
6-8. Schematic Diagram –Main (1/4) Section – ····· 33
6-9. Schematic Diagram – Main (2/4) Section – ····· 35
6-10. Schematic Diagram – Main (3/4) Section – ····· 37
6-11. Schematic Diagram – Main (4/4) Section – ····· 39
6-12. IC Pin Function ····· 41
6-13. IC Block Diagrams ····· 43

7. EXPLODED VIEWS

7-1. Cabinet Section ····· 47
7-2. Front Panel Section ····· 48
7-3. CD Mechanism Deck Section-1 ····· 49
7-4. CD Mechanism Deck Section-2 ····· 50
7-5. Base Unit Section (KSM-213ECM) ····· 51

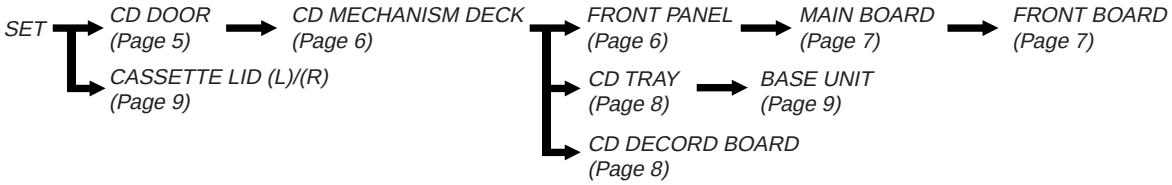
8. ELECTRICAL PARTS LIST ····· 52

SECTION 1
GENERAL



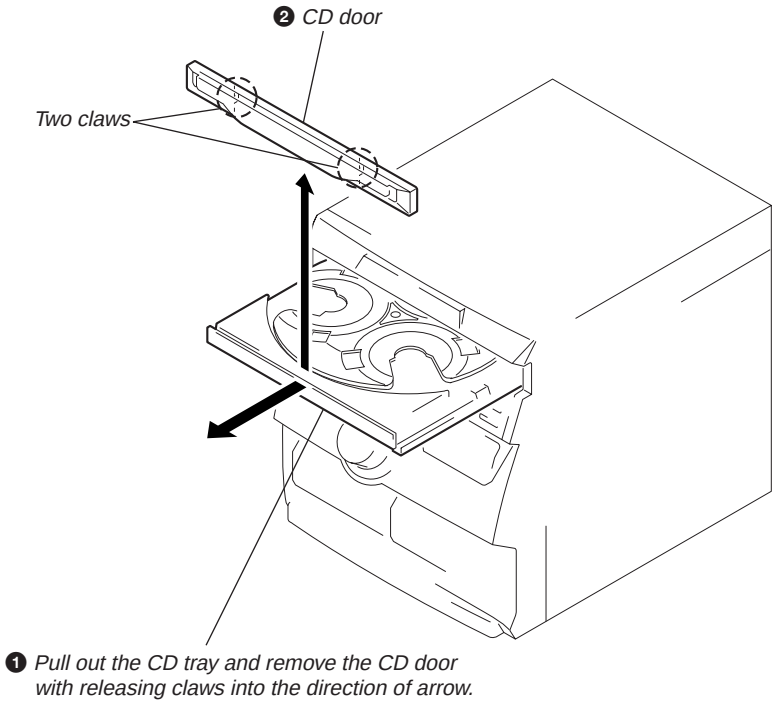
1 I/⏻ (Power) button
2 TIMER SELECT button
3 CLOCK/TIMER button
4 TAPE A ► button and indicator
5 –, ◄◄ button
6 TAPE B ► button and indicator
7 I◄◄ button
8 CD, ►II button and indicator
9 ►►I button
10 ■ button
11 +, ►► button
12 TUNER/BAND button
13 DISPLAY/DEMO button
14 FUNCTION button
15 PAUSE button and indicator
16 CD SYNC button
17 REC button and indicator
18 ⏏ OPEN/CLOSE button
19 DISC 3 button
20 DISC 2 button
21 DISC 1 button
22 DISC SKIP, EX-CHANGE button
23 Tape deck B
24 ENTER/NEXT button
25 VOLUME knob
26 Tape deck A
27 REPEAT, STEREO/MONO button
28 PLAY MODE, TUNER MEMORY button
29 EDIT, REPLAY button
30 DBFB button
31 PHONES jack
32 FILE SELECT button

SECTION 2
DISASSEMBLY

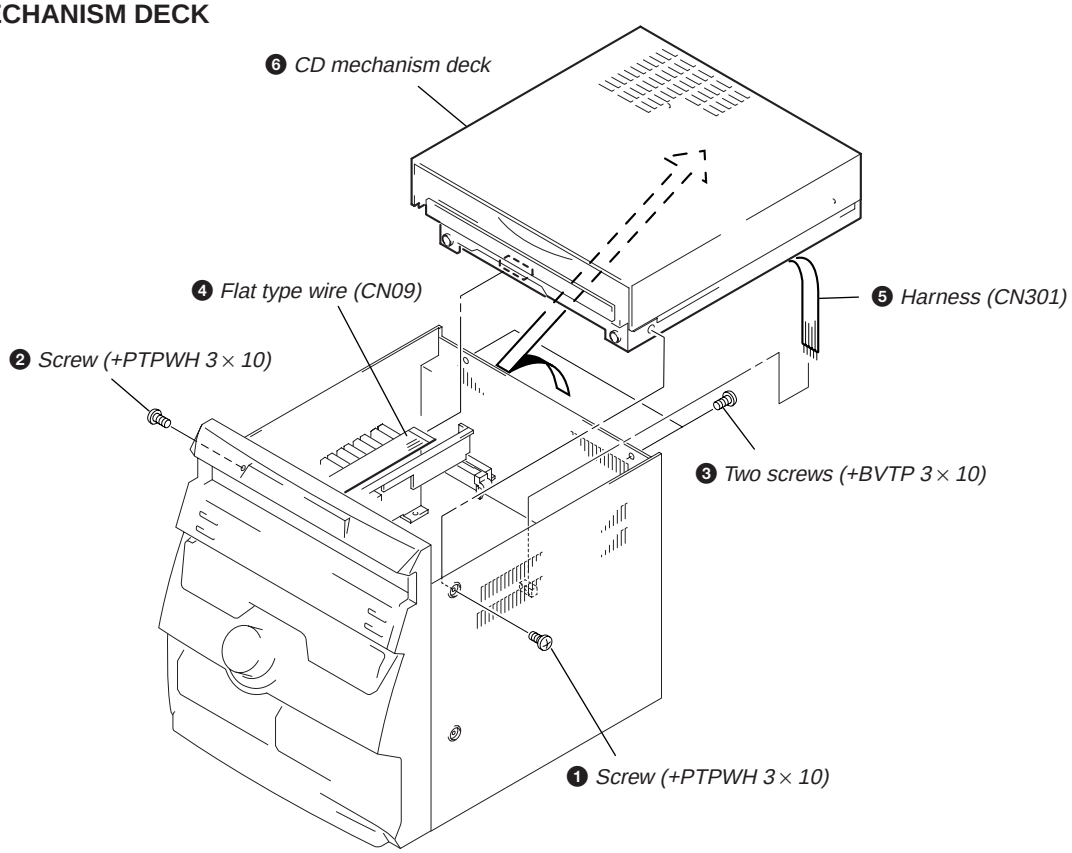


Note : Follow the disassembly procedure in the numerical order given.

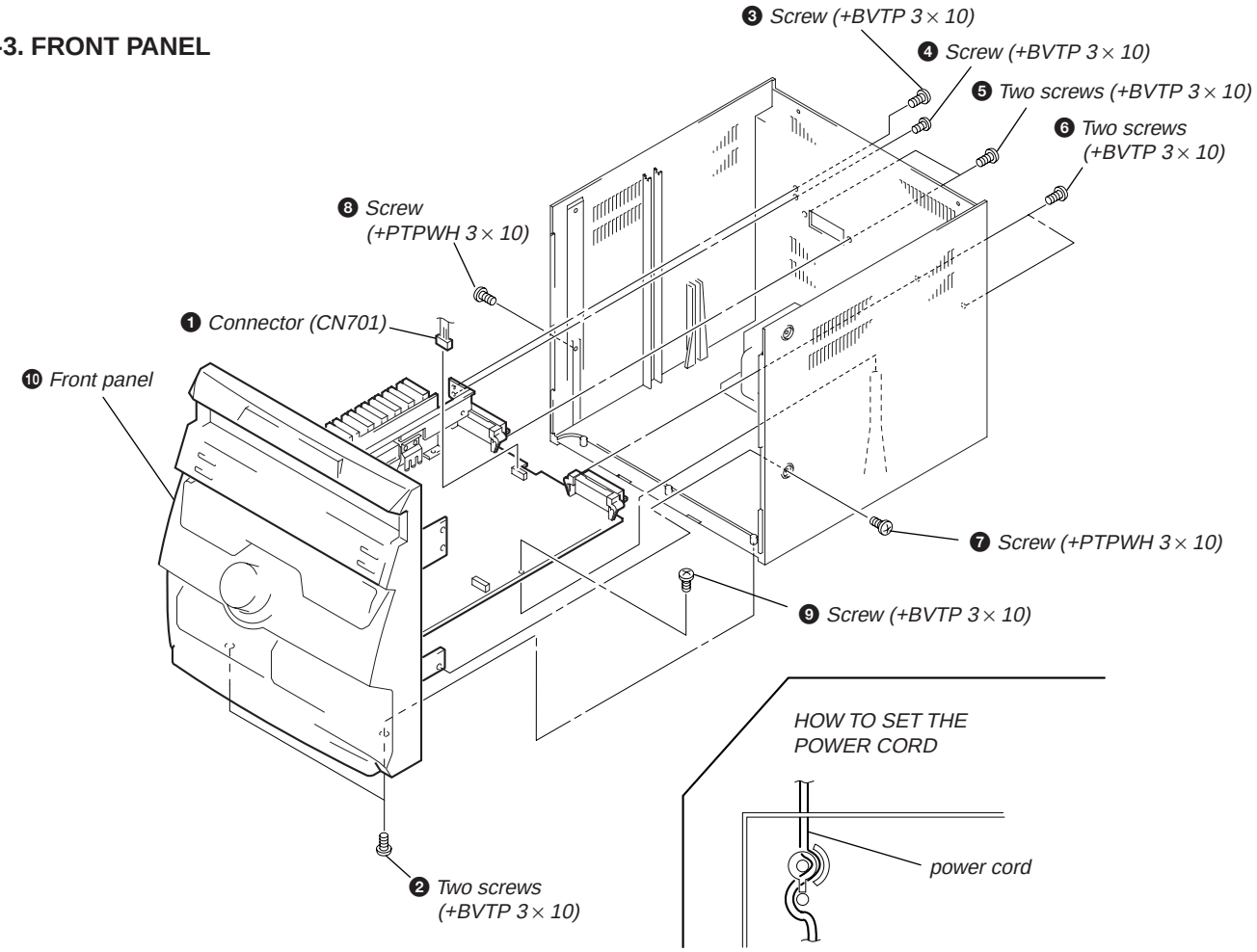
2-1. CD DOOR



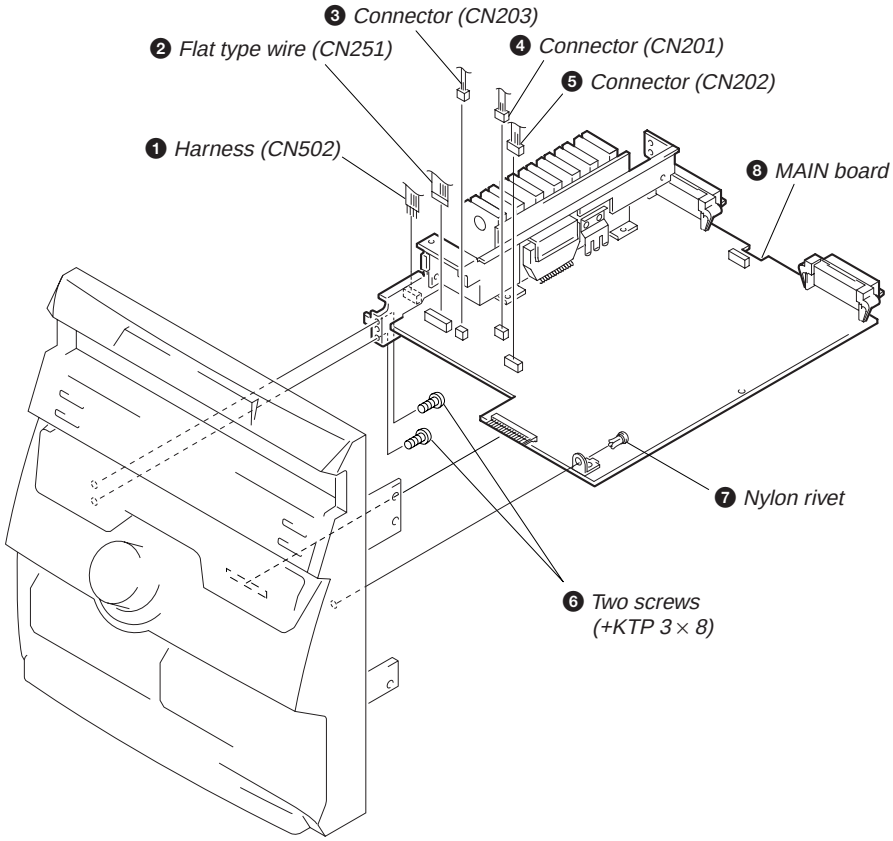
2-2. CD MECHANISM DECK



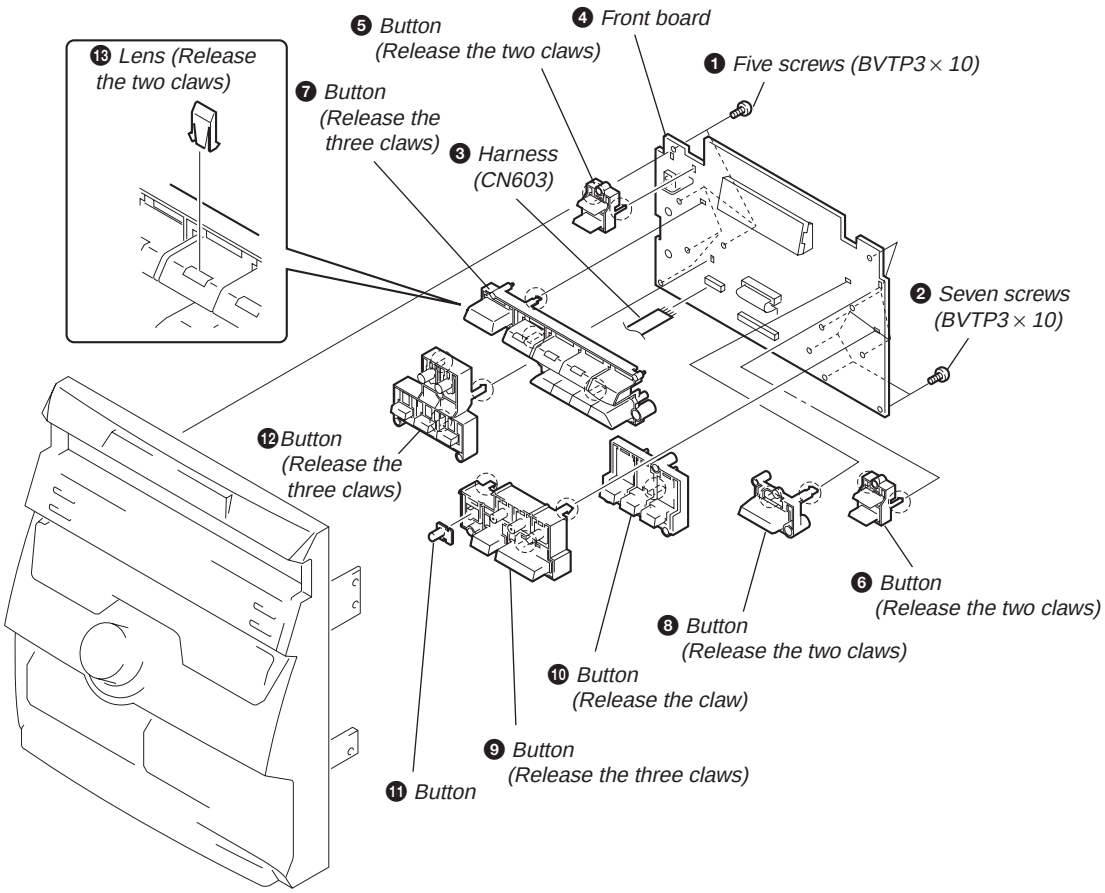
2-3. FRONT PANEL


❸ Screw (+BVTP 3× 10)
❹ Screw (+BVTP 3× 10)
❺ Two screws (+BVTP 3× 10)
❻ Two screws (+BVTP 3× 10)
❽ Screw (+PTPWH 3× 10)
❶ Connector (CN701)
❿ Front panel
❼ Screw (+PTPWH 3× 10)
❾ Screw (+BVTP 3× 10)
❷ Two screws (+BVTP 3× 10)
HOW TO SET THE POWER CORD
power cord

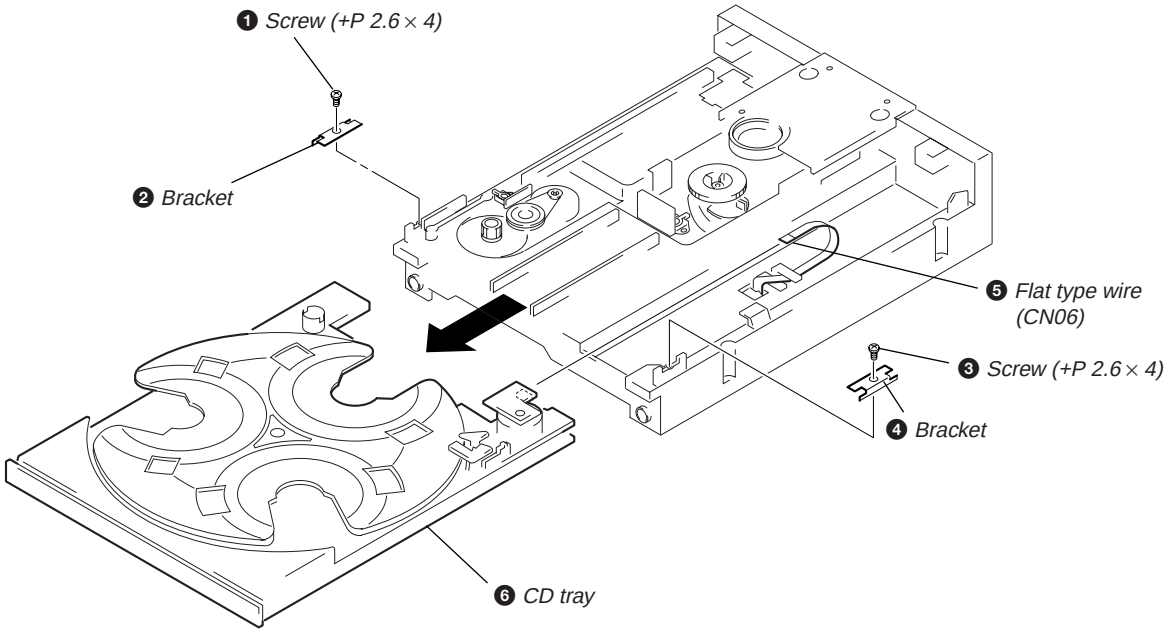
2-4. MAIN BOARD



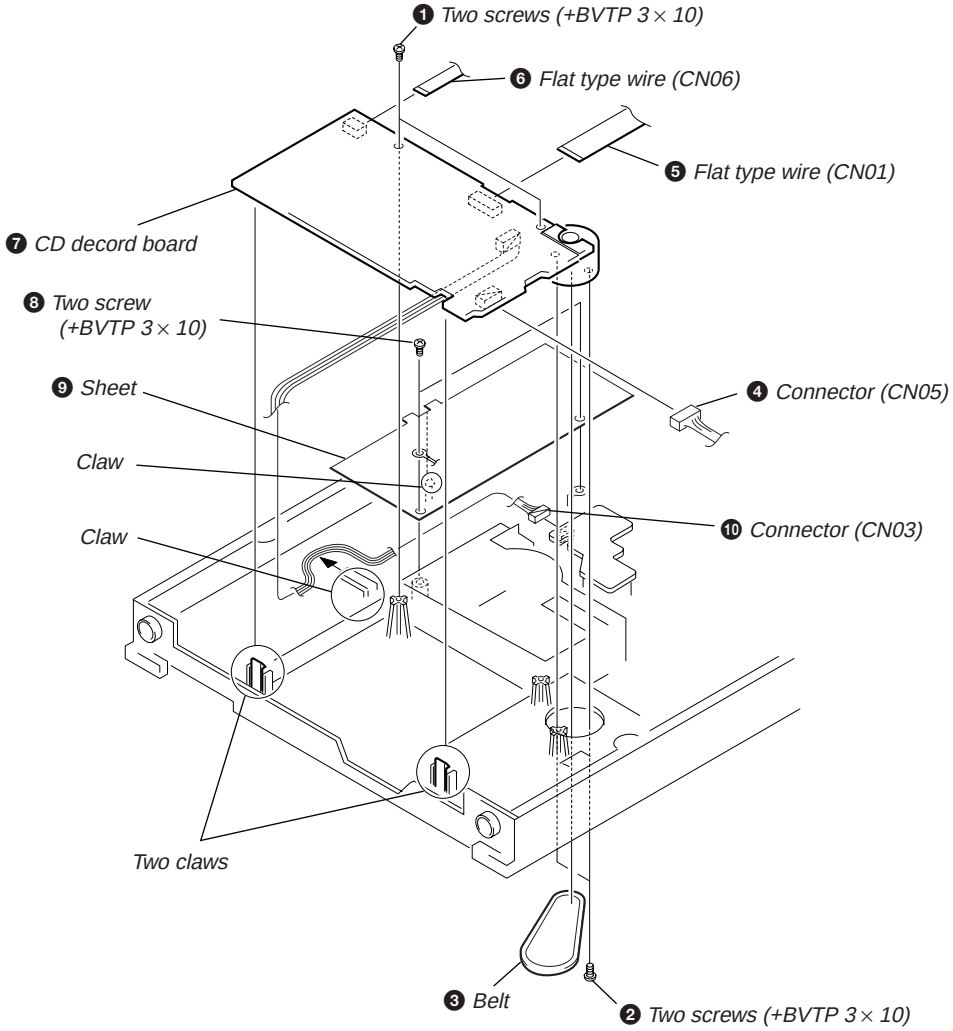
2-5. FRONT BOARD



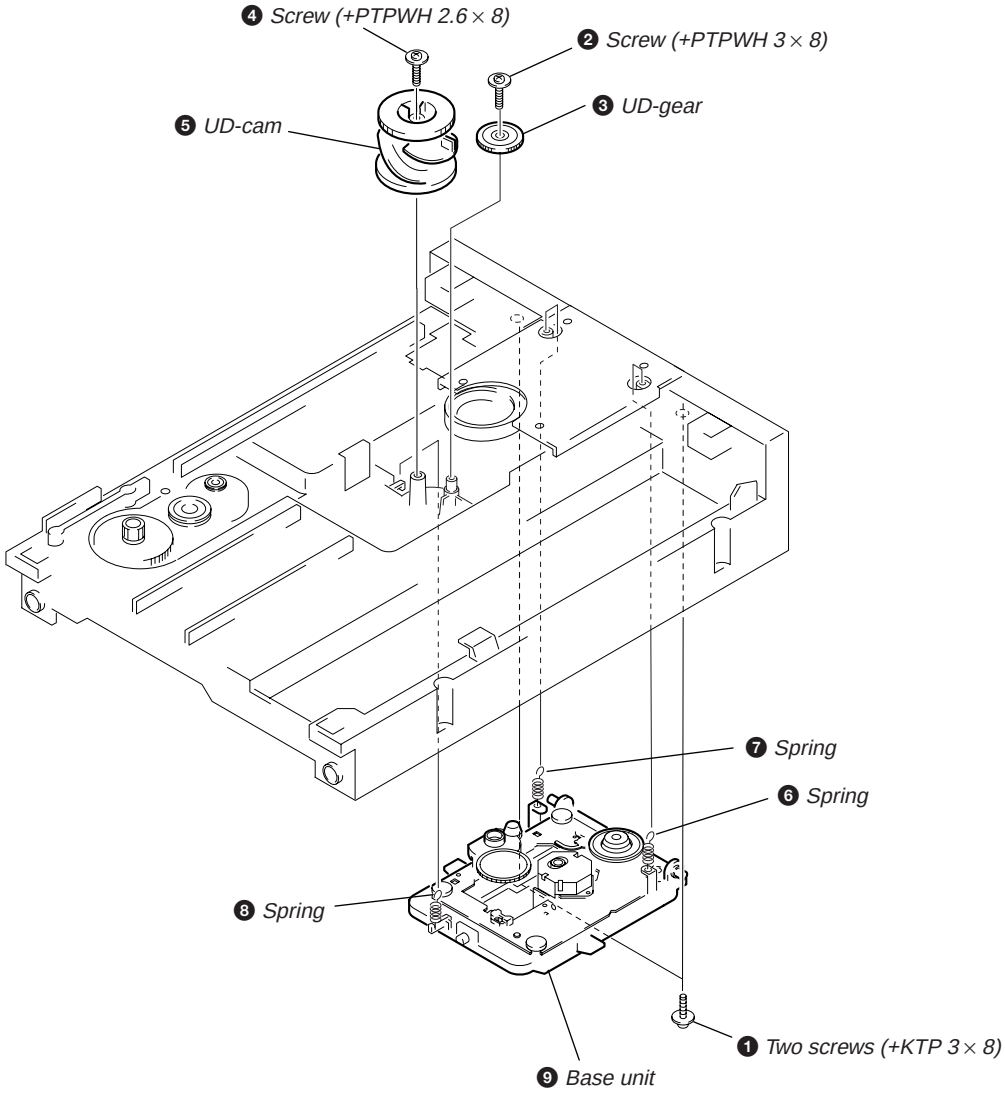
2-6. CD TRAY



2-7. CD DECORD BOARD

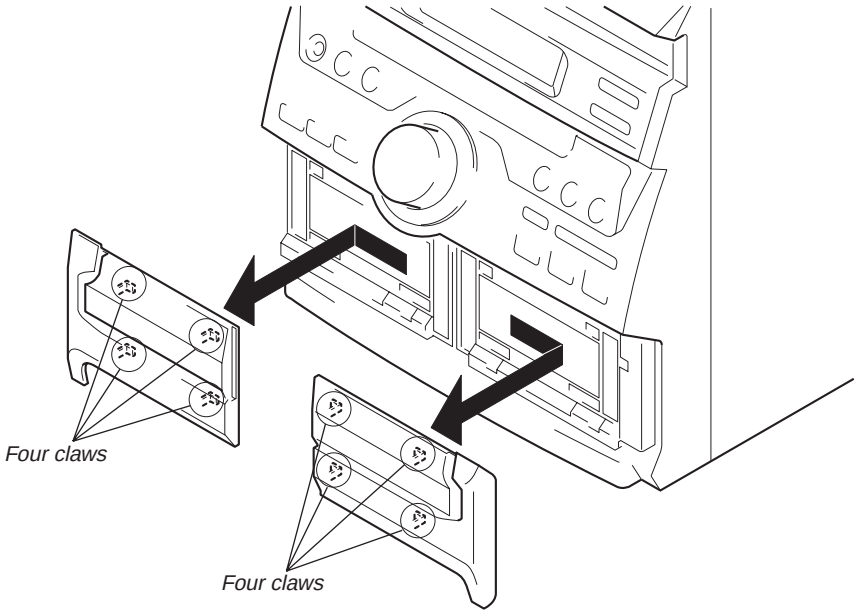


2-8. BASE UNIT



2-9. CASSETTE LID (L) / (R)

❶ *Remove the cassette lids in the direction of arrow.*



SECTION 3
TEST MODE

Function Key combination Description

Initialization
STOP + POWER OFF All preset data is re-set to the initial (default) value.

Model display
STOP + DISC 1 Mode name is displayed.

Destination display
STOP + DISC 2 Destination is displayed.

Version display
STOP + DISC 3 Version number of the microprocessor is displayed.

CD aging mode
STOP + DISC SKIP/EX-CHANGE Set discs to DISC 1 and DISC 3. The following operations are repeated when aging
starts:
1. DISC 1: TOC Read
2. Plays back the last music of the DISC 1
3. DISC 3 : TOC Read
4. Plays back the last music of the DISC 3.
5. STOP
6. Tray is open and closed.

TAPE aging mode
STOP + PLAY A Insert a commercially available cassette tape (10 min.) to the decks A and B. When aging starts, each tape is rewound and the following
operations are repeated:
1. TAPE A: FWD PLAY for one minute
2. TAPE A: FWD STOP for one second
3. TAPE A: FWD PLAY for three minutes
4. TAPE A: FWD FF to tape end
5. TAPE B: FWD PLAY for one minute
6. TAPE B: FWD REC PAUSE for one second
7. TAPE B: FWD REC for three minutes
8. TAPE B: FWD FF to tape end
9. TAPE B: REV PLAY for one minute
10. TAPE B: REV REC PAUSE for one second
11. TAPE B: REV REC for three minutes
12. TAPE B: REV FF to tape end.

CD service mode
STOP + OPEN/CLOSE The message “CD S - -” is displayed on the screen. The sled is moved to the outer circumference
while the FF button is pressed. Also, the SLED is moved to the inner
circumference while the REW button is pressed. After pressing the PLAY
button, FOCUS is turned ON, CLV-S is set, TRACKING and SLED servos
are turned OFF and ADDRESS 3 = 3F, 37 is set.

Display
STOP + DBFB All displays are turned ON.

Balance adjustment value
STOP + DISPLAY/DEMO The balance adjustment value is displayed.

Key check
STOP + FILE SELECT Function of the pressed key is displayed.

SECTION 4
MECHANICAL ADJUSTMENTS

Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:
   record/playback head — pinch rollers
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	40 to 70 g • cm (0.56 - 0.97 oz • inch)
FWD back tension	CQ-102C	1 to 5 g • cm (0.01 - 0.07 oz • inch)
FF/REW	CQ-201B	55 to 140 g • cm (0.76 - 1.94 oz • inch)

SECTION 5
ELECTRICAL ADJUSTMENTS

DECK SECTION **0 dB=0.775V**

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

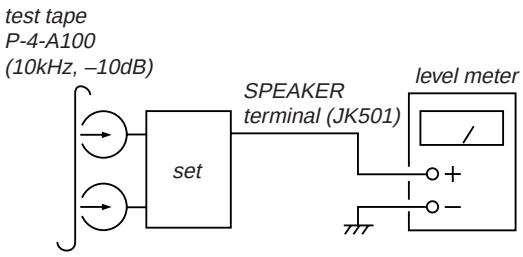
Tape	Signal	Used for
P-4-A100	10 kHz, –10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment

Record/Playback Head Azimuth Adjustment (Deck A, Deck B)

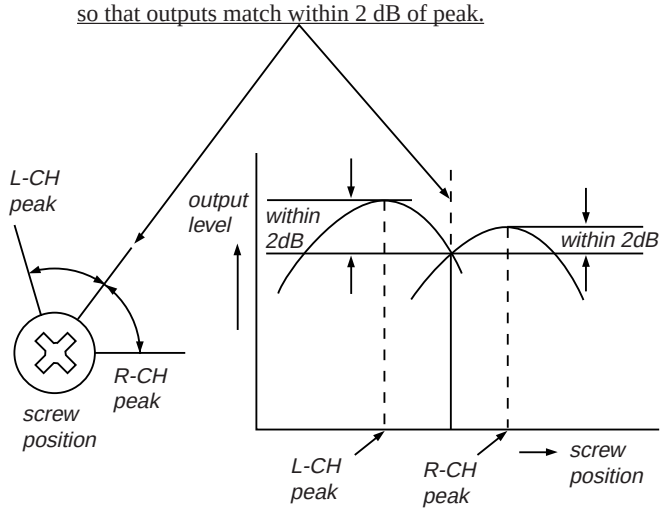
Note: Perform this adjustments for both decks.

Procedure:

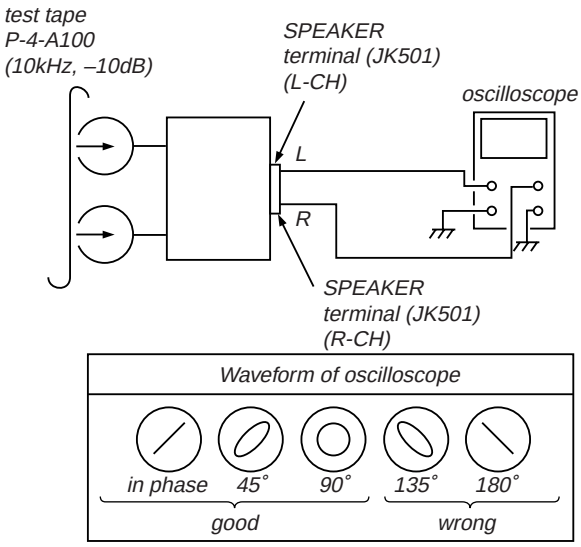
1. Mode : Playback



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 2 dB of peak.

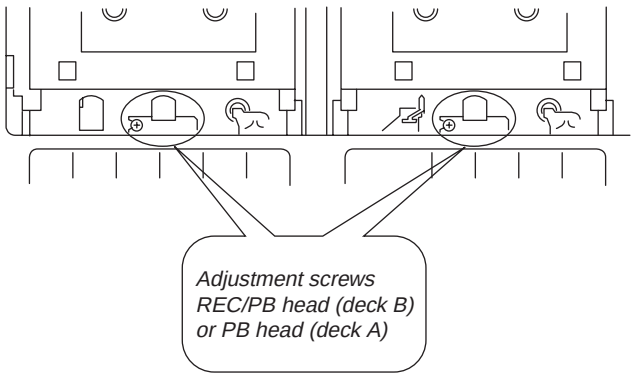


3. Mode: Playback



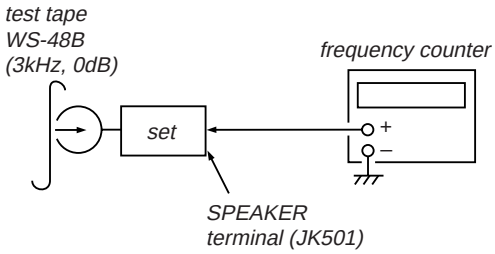
4. After the adjustments, apply suitable locking compound to the parts adjusted.

Adjustment Location:
Remove the cassette lid before adjustment (See page 9)



Tape Speed Adjustment (Deck A)

Procedure:
1. Mode: Playback

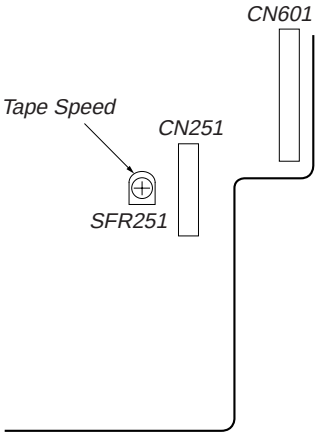


2. Adjust the SFR251 so that the frequency counter reads 3,000 Hz ± 90Hz.

Adjustment Location: MAIN board

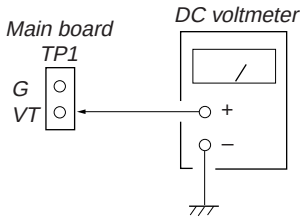
Sample Value of Wow and flutter
W. RMS (JIS) within 0.3%
(test tape: WS-48B)

[MAIN BOARD] — Component side —



TUNER SECTION | 0 dB=1μV

AM Tuning Voltage Adjustment

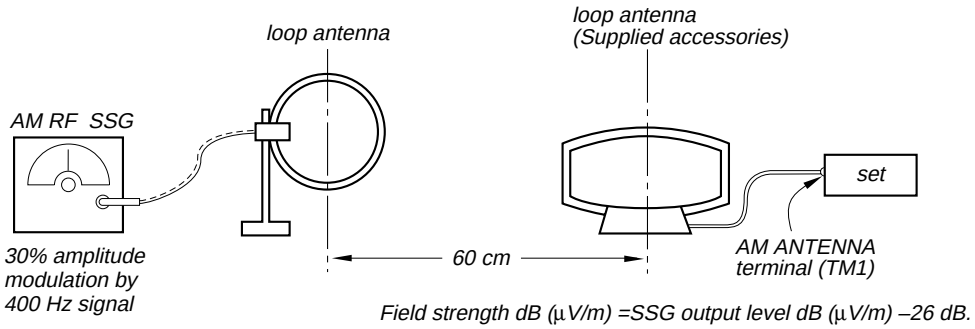


Procedure:

1. Set the reception frequency of the unit to 530 kHz.
2. Adjust L105 for 1.2 ± 0.05 V reading on the DC voltmeter.
3. Set the reception frequency of the unit to 1,710 kHz.
4. Confirm that the voltage reading on the DC voltmeter is within 8.0 ± 0.5 V.

Adjustment Location: MAIN board (See page 14)

AM Tracking Adjustment



Field strength dB (μV/m) =SSG output level dB (μV/m) –26 dB.

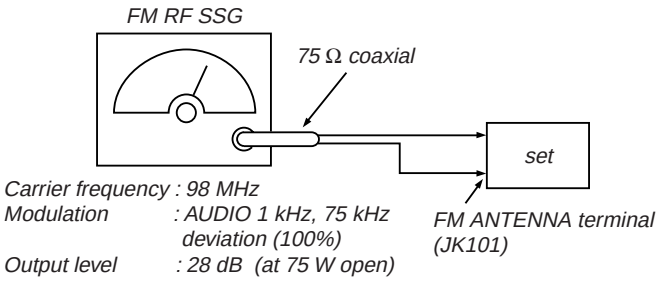
Procedure:

1. Tune the set to 600 kHz.
2. Set the output of AM RF SSG so that the input level of the set will become 60 dB (μV/m).
3. Adjust L104 so that when the waveform on the oscilloscope is maximum, no noise appears.
4. Tune the set to 1,400 kHz.
5. Adjust TC102 so that when the waveform on the oscilloscope is maximum, no noise appears.

• Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

Adjustment Location: MAIN board (See page 14)

FM Tuned Level Adjustment


FM RF SSG
75 Ω coaxial
set
Carrier frequency : 98 MHz
Modulation : AUDIO 1 kHz, 75 kHz deviation (100%)
Output level : 28 dB (at 75 W open)
FM ANTENNA terminal (JK101)

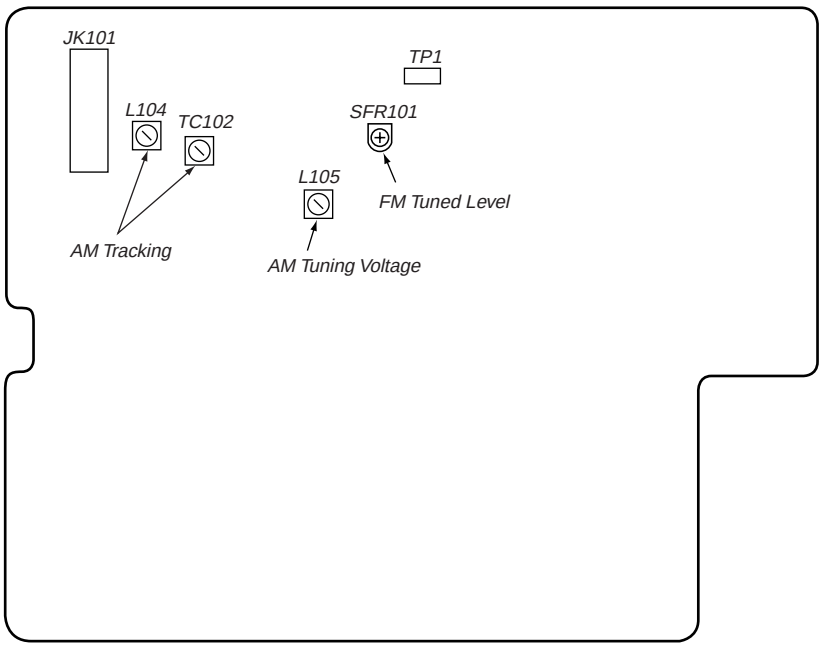
Procedure:

1. Supply a 28 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust SFR101 to the point (moment) when the TUNED indicator will change from going off to going on.

Adjustment Location: MAIN board

Adjustment Location

[MAIN BOARD] — Component side —

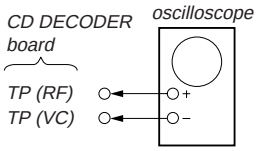


CD SECTION

Note:

1. CD Block is basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Adjust the focus bias adjustment when optical block is replaced.

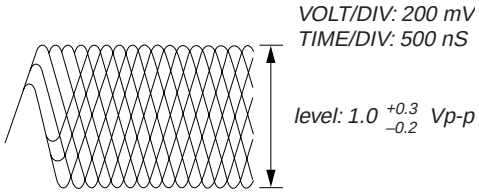
RF Level Check



Procedure :

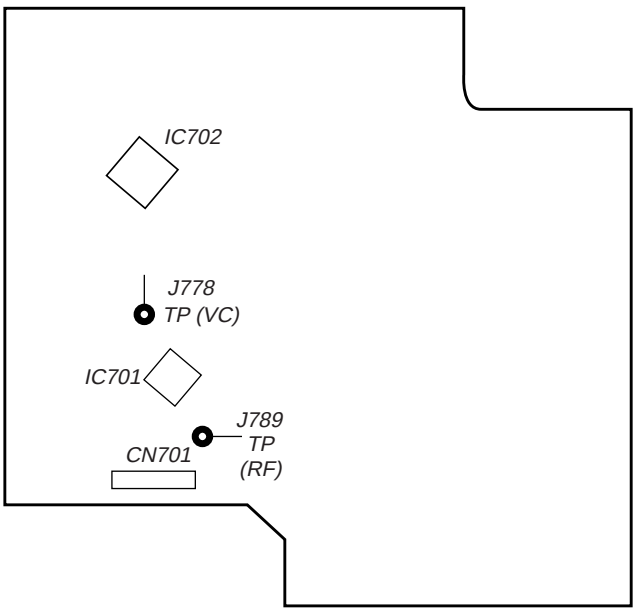
1. Connect oscilloscope to test point TP (RF) on CD DECODER board.
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note: Clear RF signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.



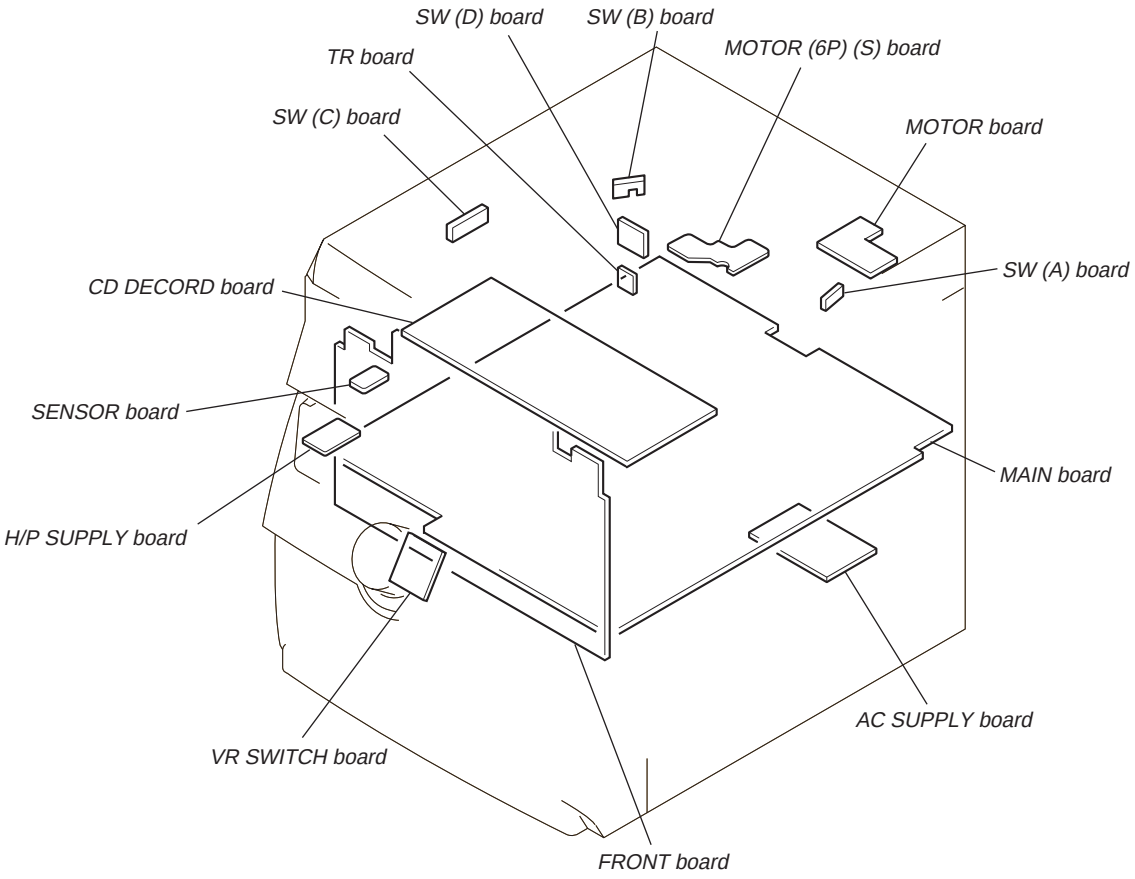
Adjustment Location:

[CD DECODER BOARD] — Component side —

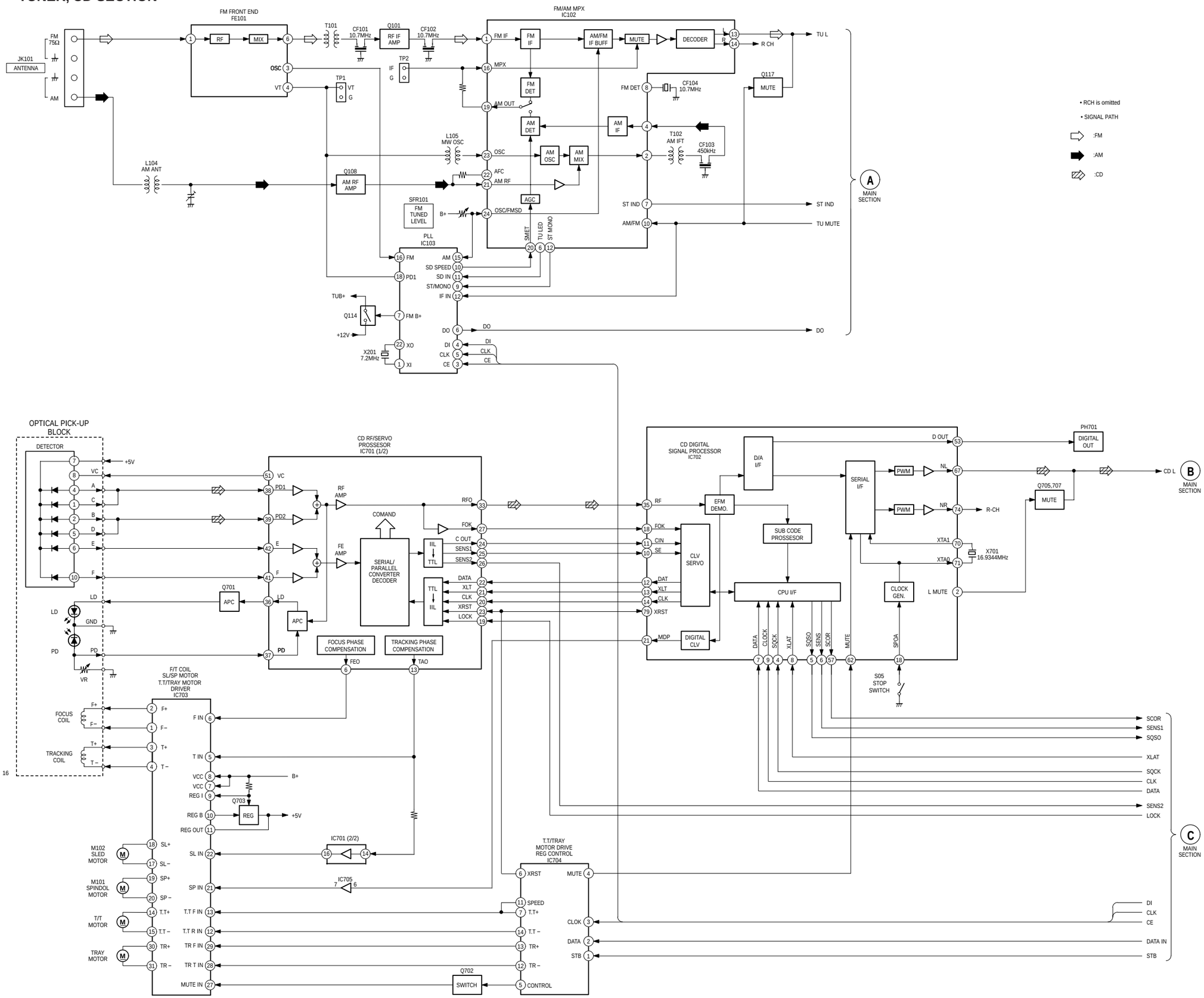


SECTION 6
DIAGRAMS

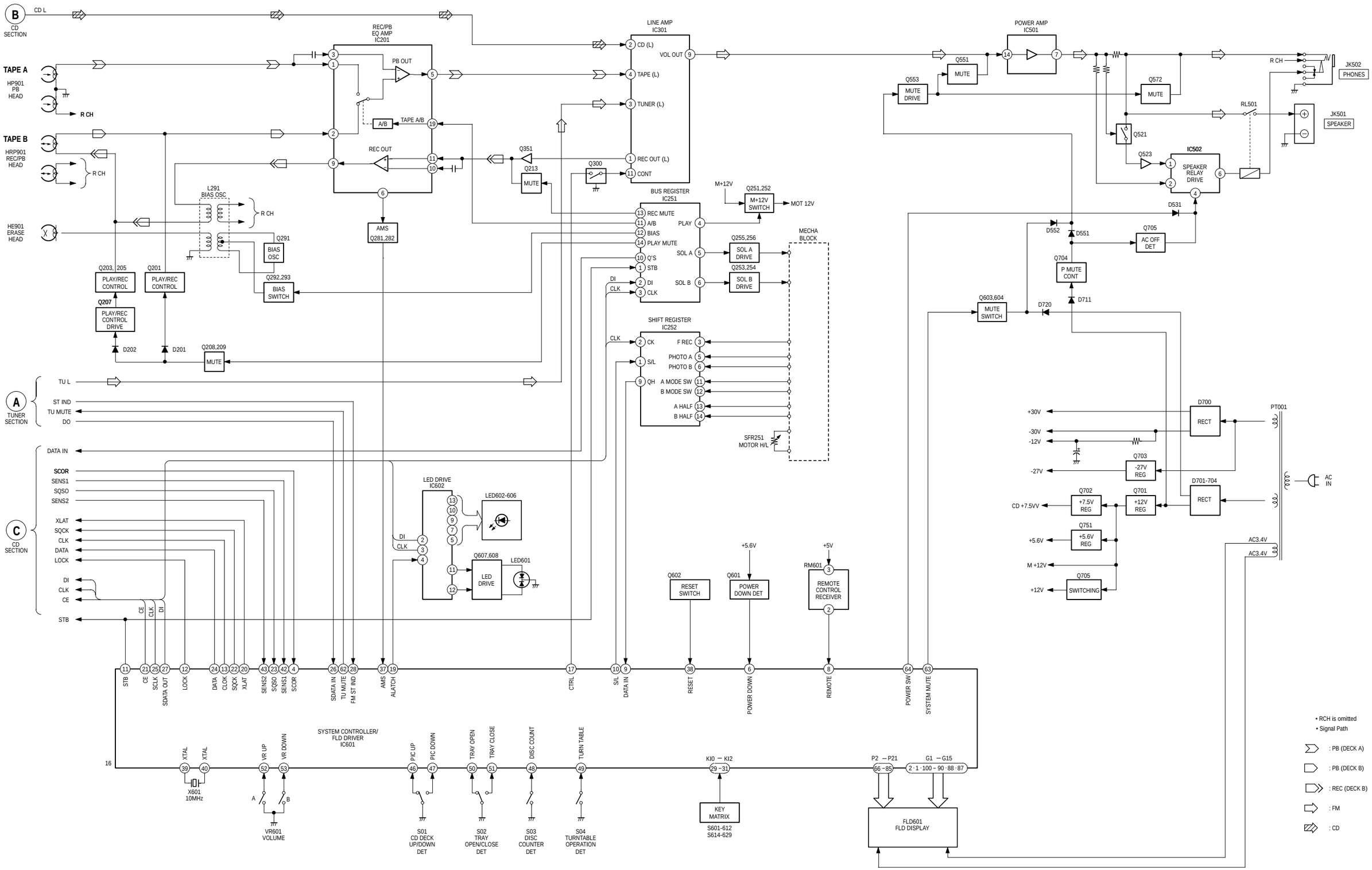
6-1. CIRCUIT BOARDS LOCATION



6-2. BLOCK DIAGRAMS
— TUNER, CD SECTION —



— MAIN SECTION —



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this necessary note is printed in each block.)

For schematic diagrams.
Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- B+ : B+ Line.
- B− : B– Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  - : FM
  - : AM
  - : PB (DECK A)
  - : PB (DECK B)
  - : REC (DECK B)
  - : CD

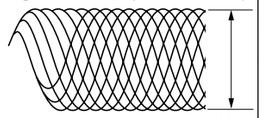
For printed wiring boards.
Note:

- ○——— : parts extracted from the component side.
- ○ : Through hole.
- △ : internal component.
- ▒▒▒ : Pattern from the side which enables seeing.

• WAVEFORM

— BD SECTION —

① IC101 ㉝ (PLAY MODE)

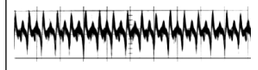


② IC101 ② (FEI) (PLAY MODE)

③ IC101 ㊼ (TEI) (PLAY MODE)

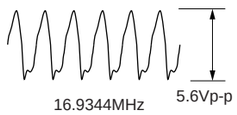
④ IC103 ㉗ (MDP) (PLAY MODE)

⑤ IC702 ㊾ (B) GFS (PLAY MODE)



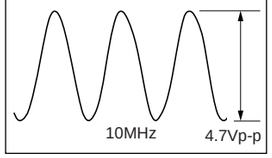
⑥ IC702 ㊷ (A) C4M

⑦ IC702 ㉛ (XTAO)



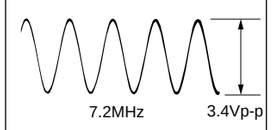
— PANEL SECTION —

⑧ IC601 ㊵ (X' TAL)



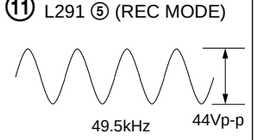
— MAIN SECTION —

⑨ IC103 ㉒ (X OUT)



⑩ L291 ⑥, ⑦ (REC MODE)

⑪ L291 ⑤ (REC MODE)

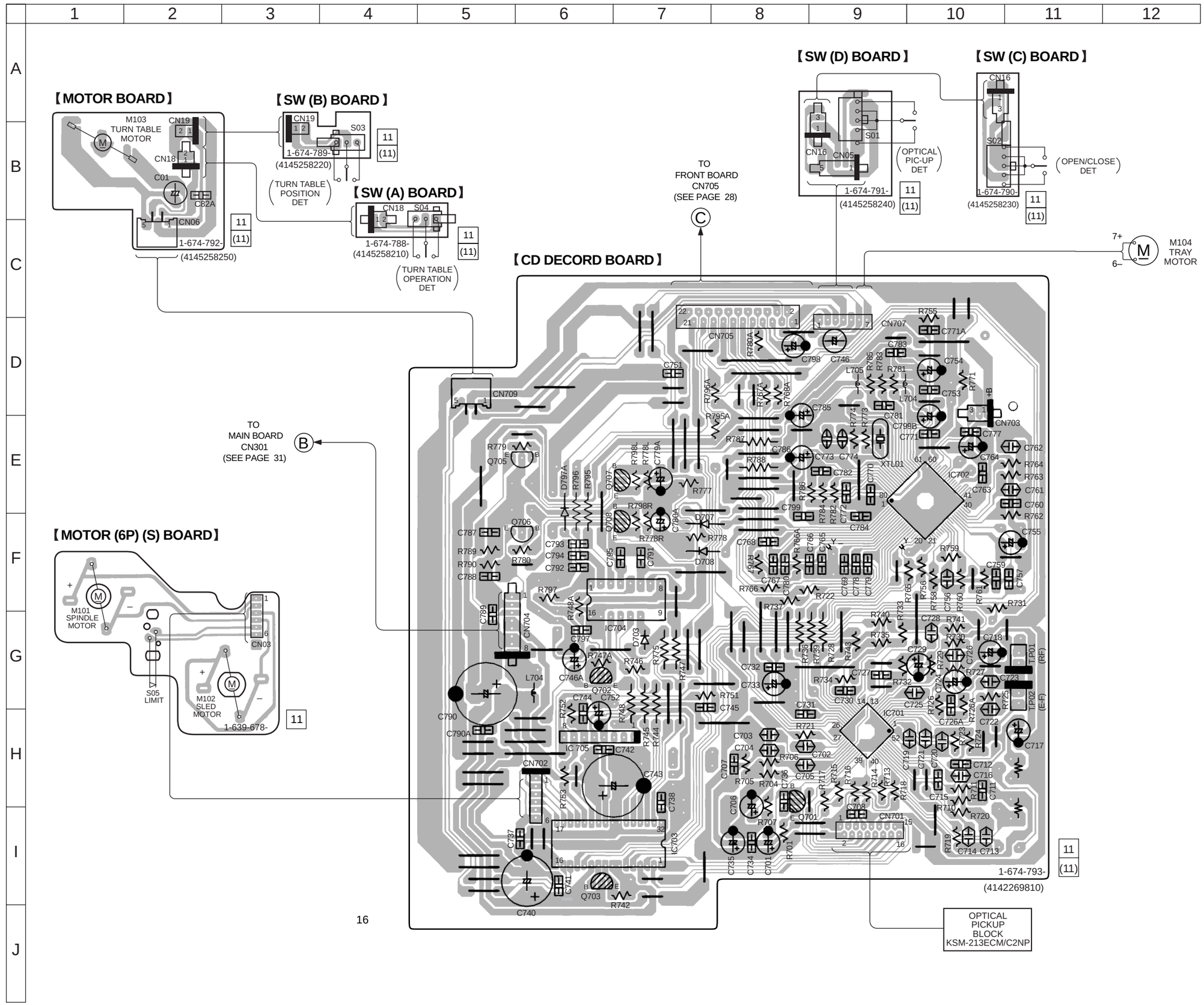


6-3.PRINTED WIRING BOARD — CD DECODER SECTION —

• Refer to page 16 for Circuit Boards Location.

• **Semiconductor Location**

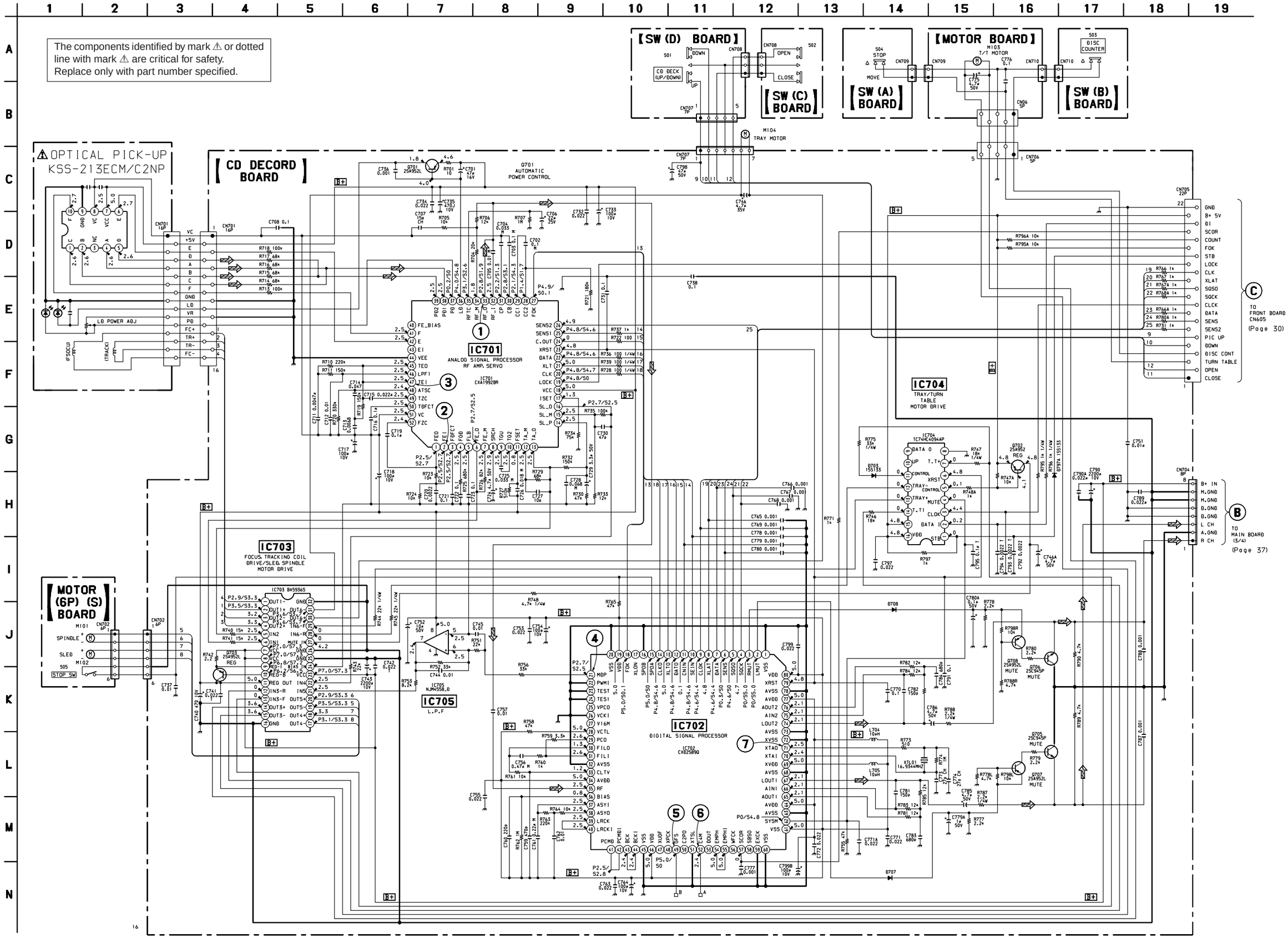
Ref. No.	Location
D703	G-7
D707	E-7
D708	F-7
D797A	E-6
IC701	H-9
IC702	E-10
IC703	I-7
IC704	F-7
IC705	H-6
Q701	H-8
Q702	G-6
Q703	I-6
Q705	E-6
Q706	F-6
Q707	E-7
Q708	E-7



6-4.SCHEMATIC DIAGRAM — CD DECORDER SECTION —

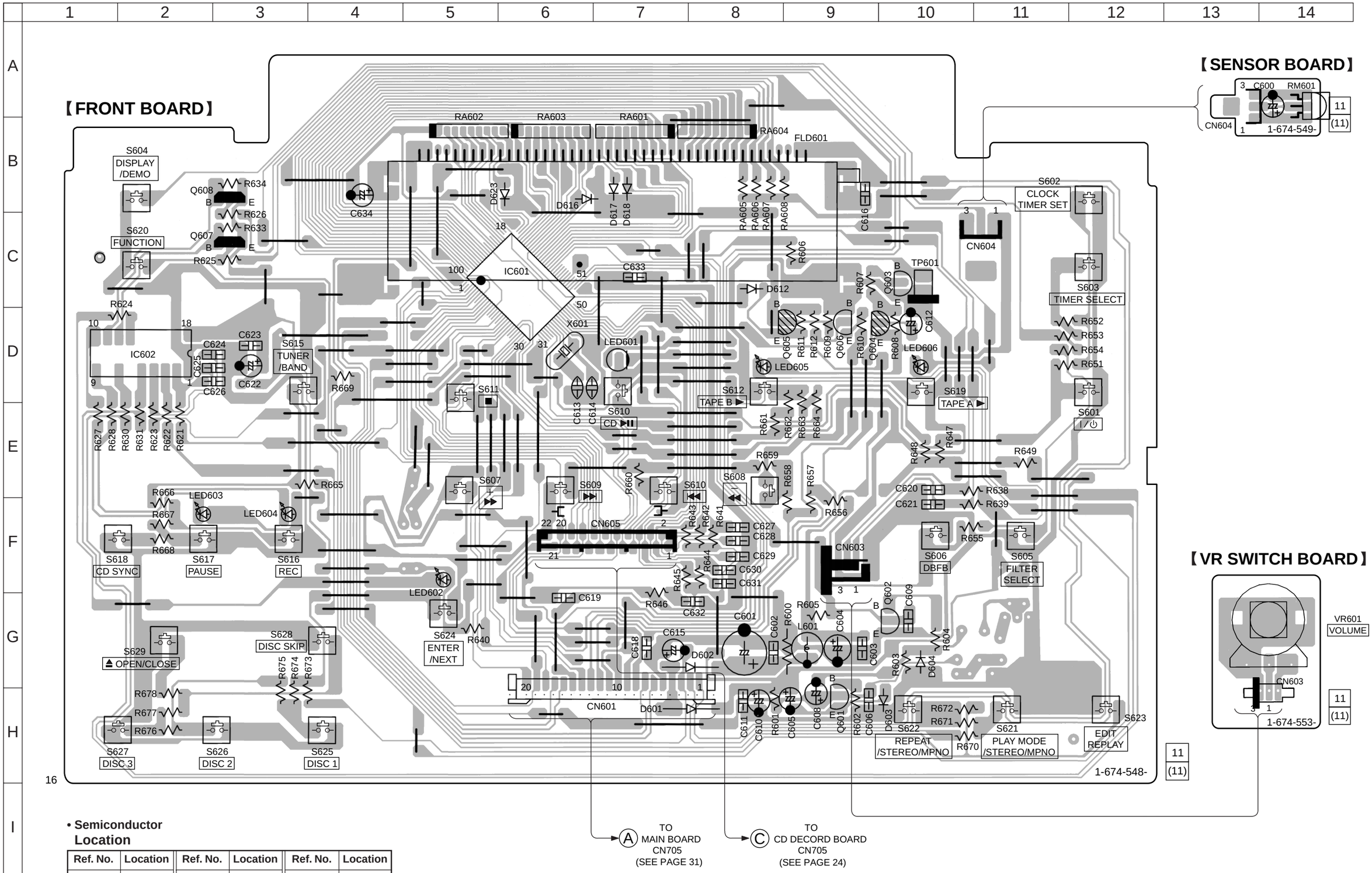
• Refer to page 22 for Waveforms. • Refer to page 43 for IC Block Diagrams.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.



6-5.PRINTED WIRING BOARD — FRONT SECTION —

• Refer to page 16 for Circuit Boards Location.

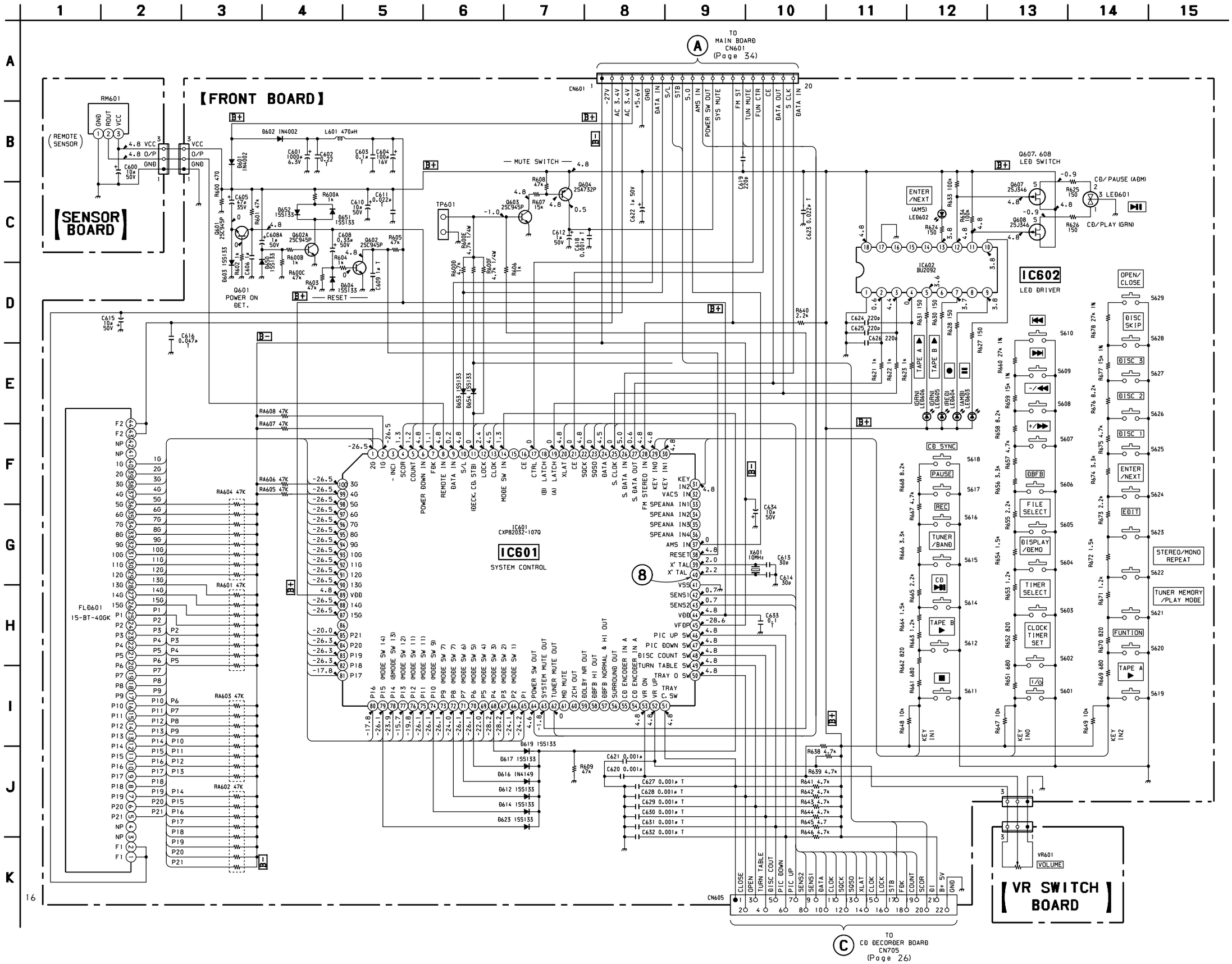


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D601	H-7	D623	B-5	LED605	D-9
D602	G-8			LED606	D-10
D603	H-10	IC601	C-6		
D604	G-10	IC602	D-2	Q601	H-9
D612	C-8			Q602	G-10
D616	B-6	LED601	D-7	Q603	C-10
D617	B-7	LED602	F-5	Q604	D-10
D618	B-7	LED604	F-3	Q607	C-3

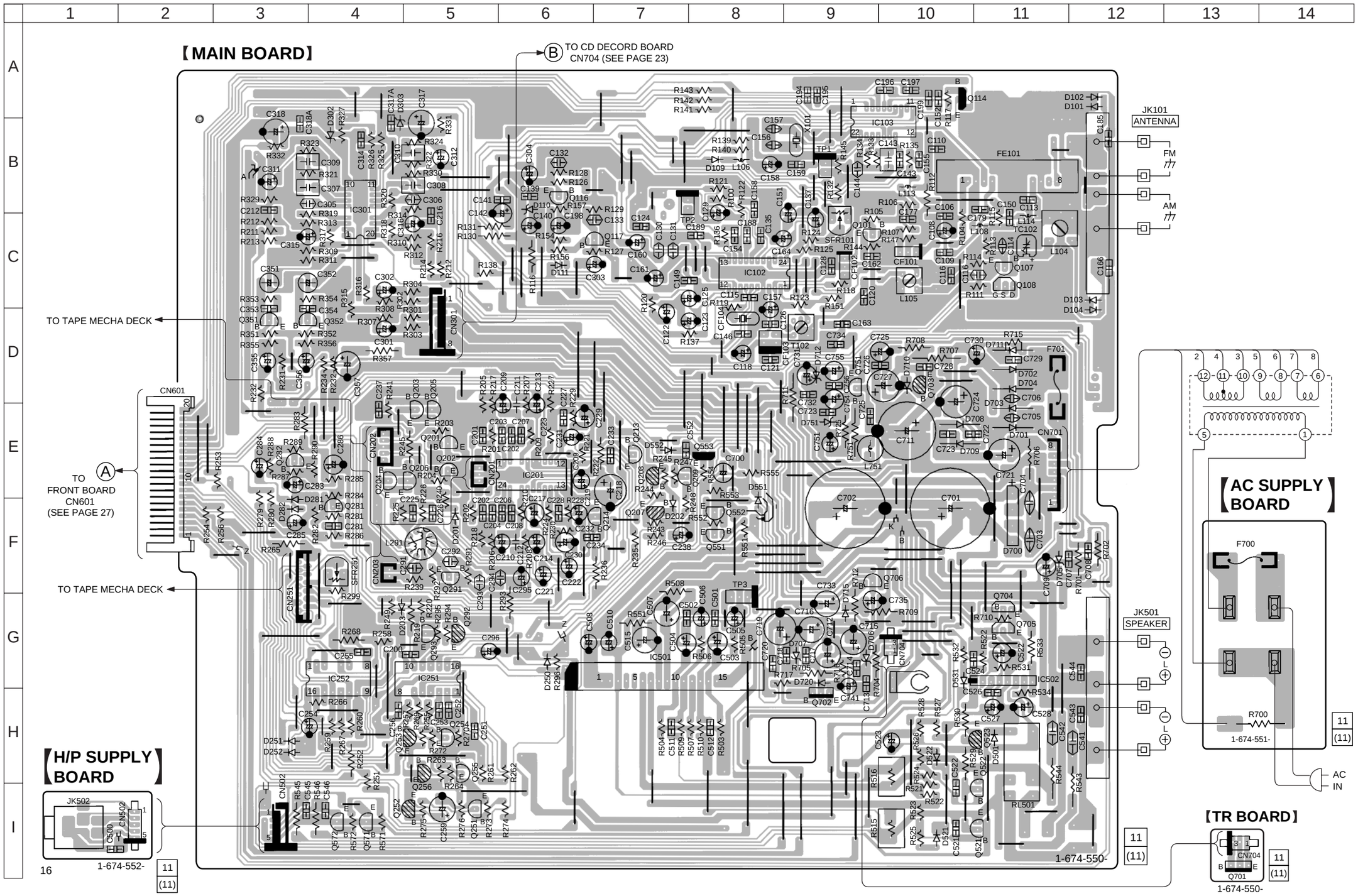
6-6.SCHEMATIC DIAGRAM — FRONT SECTION —

• Refer to page 22 for Waveforms. • Refer to page 41 for IC Pin Functions. • Refer to page 47 for IC Block Diagram.



6-7.PRINTED WIRING BOARD — MAIN SECTION —

• Refer to page 16 for Circuit Boards Location.

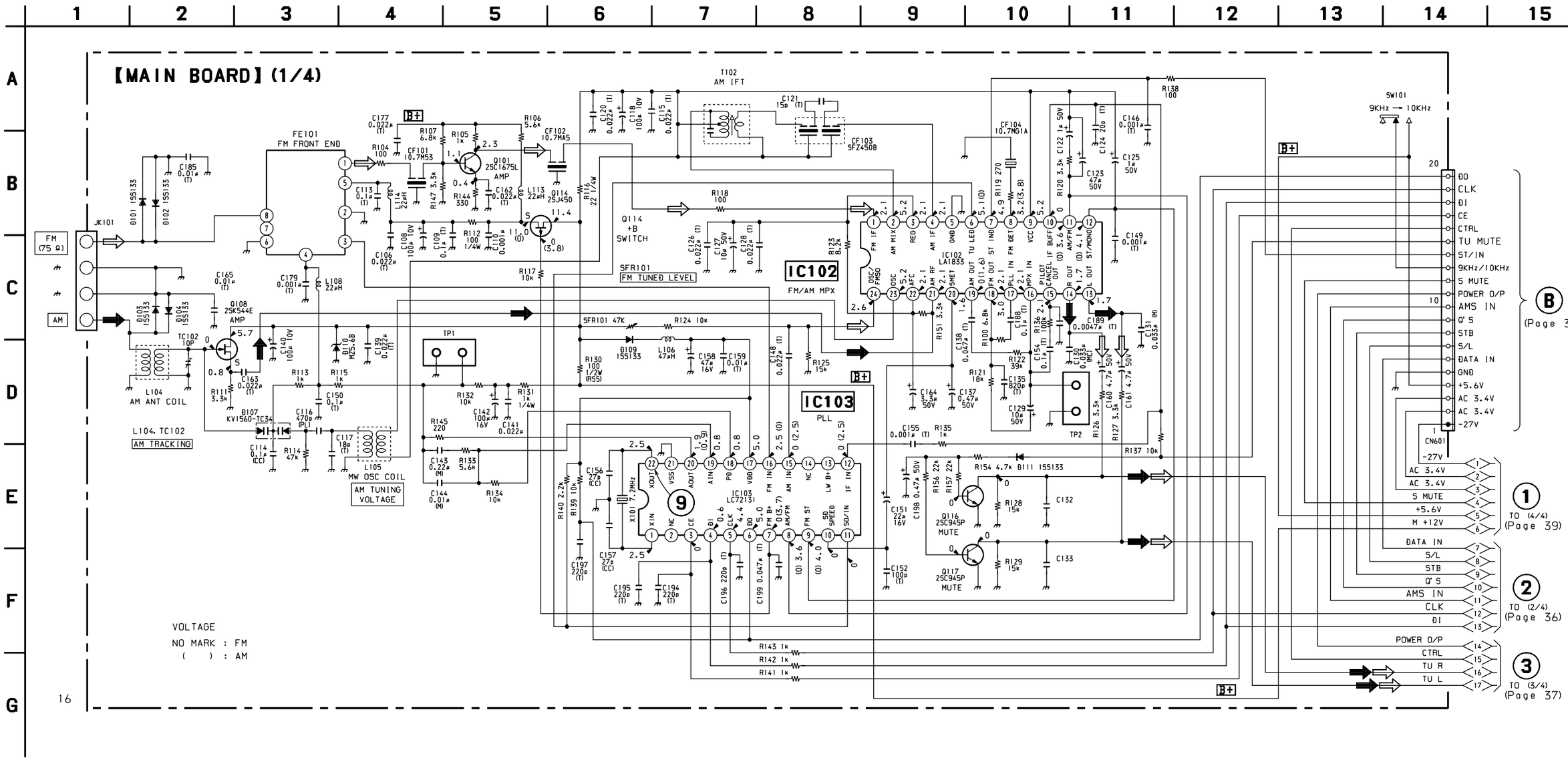


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	A-12	D202	F-7	D303	B-4	D701	E-11	D709	E-10	IC102	C-8	Q101	C-9	Q203	E-5	Q214	F-7	Q282	E-3	Q523	H-11	Q704	G-11
D102	A-12	D203	G-4	D501	H-11	D702	D-11	D710	D-10	IC103	A-10	Q107	C-11	Q204	E-4	Q251	I-5	Q291	F-5	Q551	F-8	Q705	G-11
D103	C-12	D250	G-6	D521	I-10	D703	D-11	D711	D-11	IC201	E-6	Q108	C-11	Q205	E-5	Q252	I-4	Q292	G-5	Q552	F-8	Q706	F-9
D104	C-12	D251	H-3	D522	H-10	D704	D-11	D712	D-9	IC251	G-5	Q114	A-10	Q206	E-5	Q253	H-5	Q293	G-5	Q571	I-4	Q751	D-9
D109	B-8	D252	H-3	D531	G-11	D705	F-11	D715	G-9	IC252	G-4	Q116	B-6	Q207	F-7	Q254	H-5	Q351	D-3	Q572	I-4		
D110	B-6	D281	F-3	D551	E-8	D706	G-9	D720	G-9	IC301	B-4	Q117	C-7	Q208	E-7	Q255	H-5	Q352	D-4	Q701	I-13		
D111	C-6	D282	F-3	D552	E-7	D707	G-9	D751	E-9	IC501	G-7	Q201	E-5	Q209	E-7	Q256	H-5	Q521	I-10	Q702	H-9		
D201	F-5	D302	B-4	D700	F-11	D708	E-10			IC502	H-11	Q202	E-5	Q213	E-7	Q281	F-4	Q522	H-11	Q703	D-10		

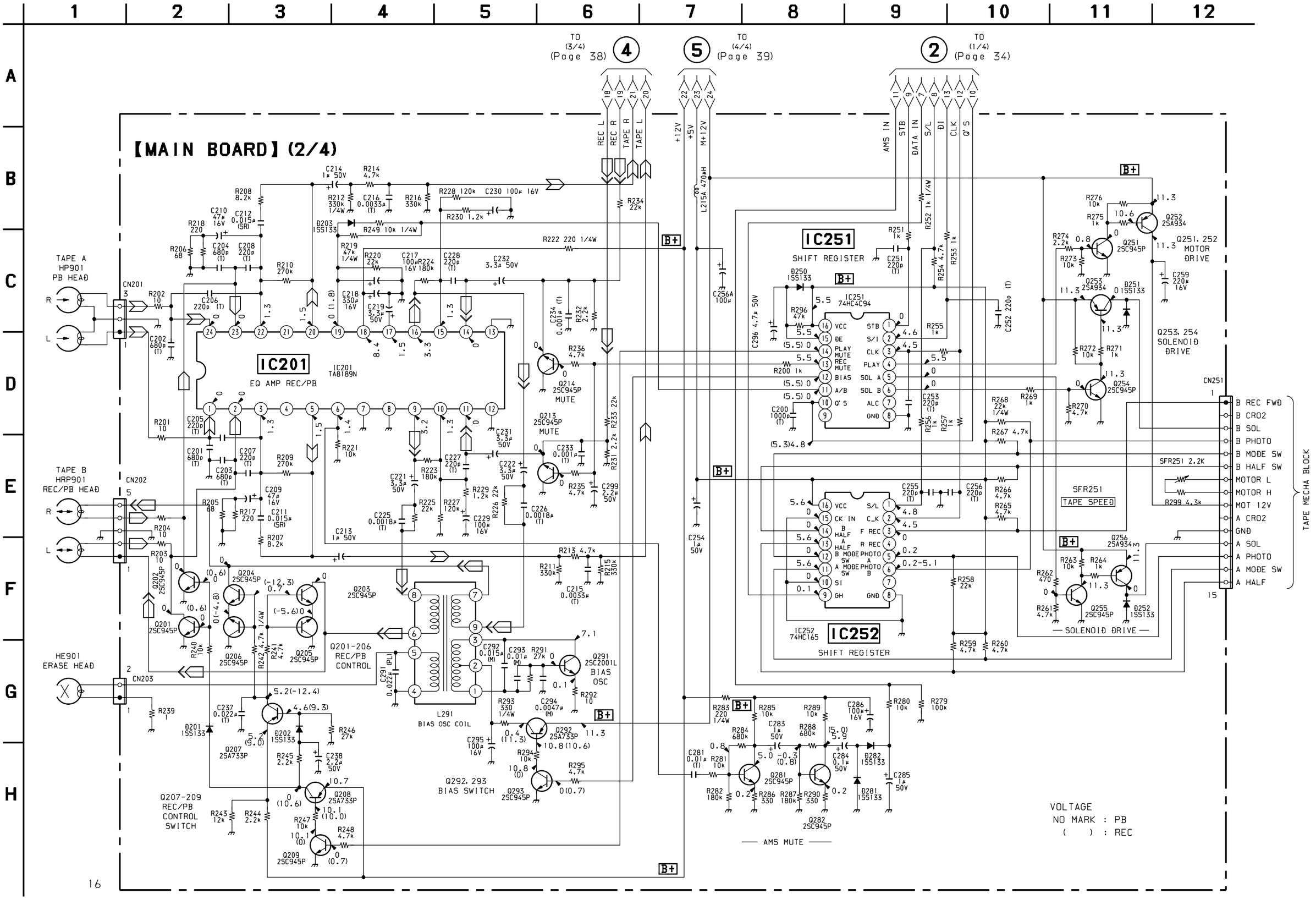
6-8.SCHEMATIC DIAGRAM —MAIN (1/4) SECTION —

• Refer to page 45 for IC Block Diagrams.



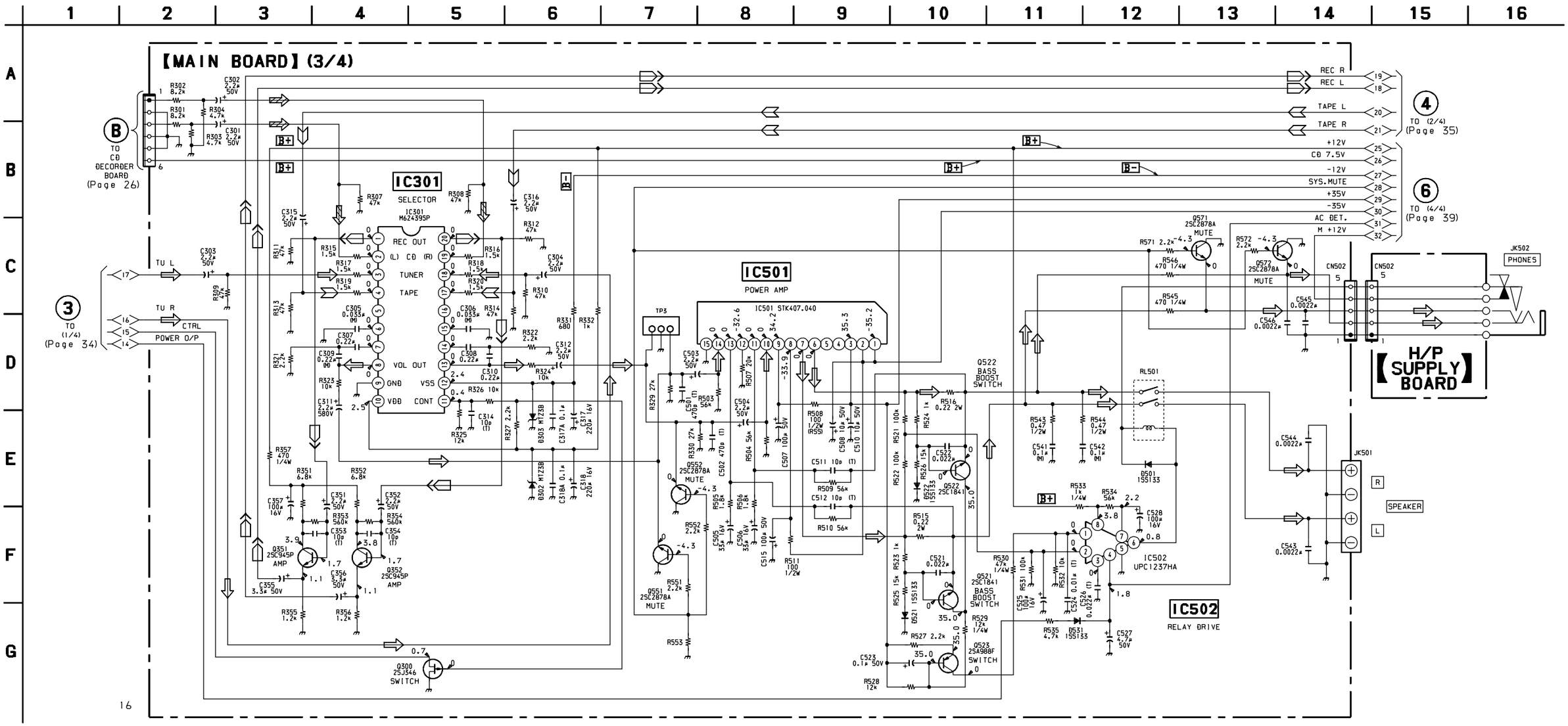
6-9.SCHEMATIC DIAGRAM — MAIN (2/4) SECTION —

• Refer to page 45,46 for IC Block Diagrams. • Refer to page 31 for Printed Wiring Board.



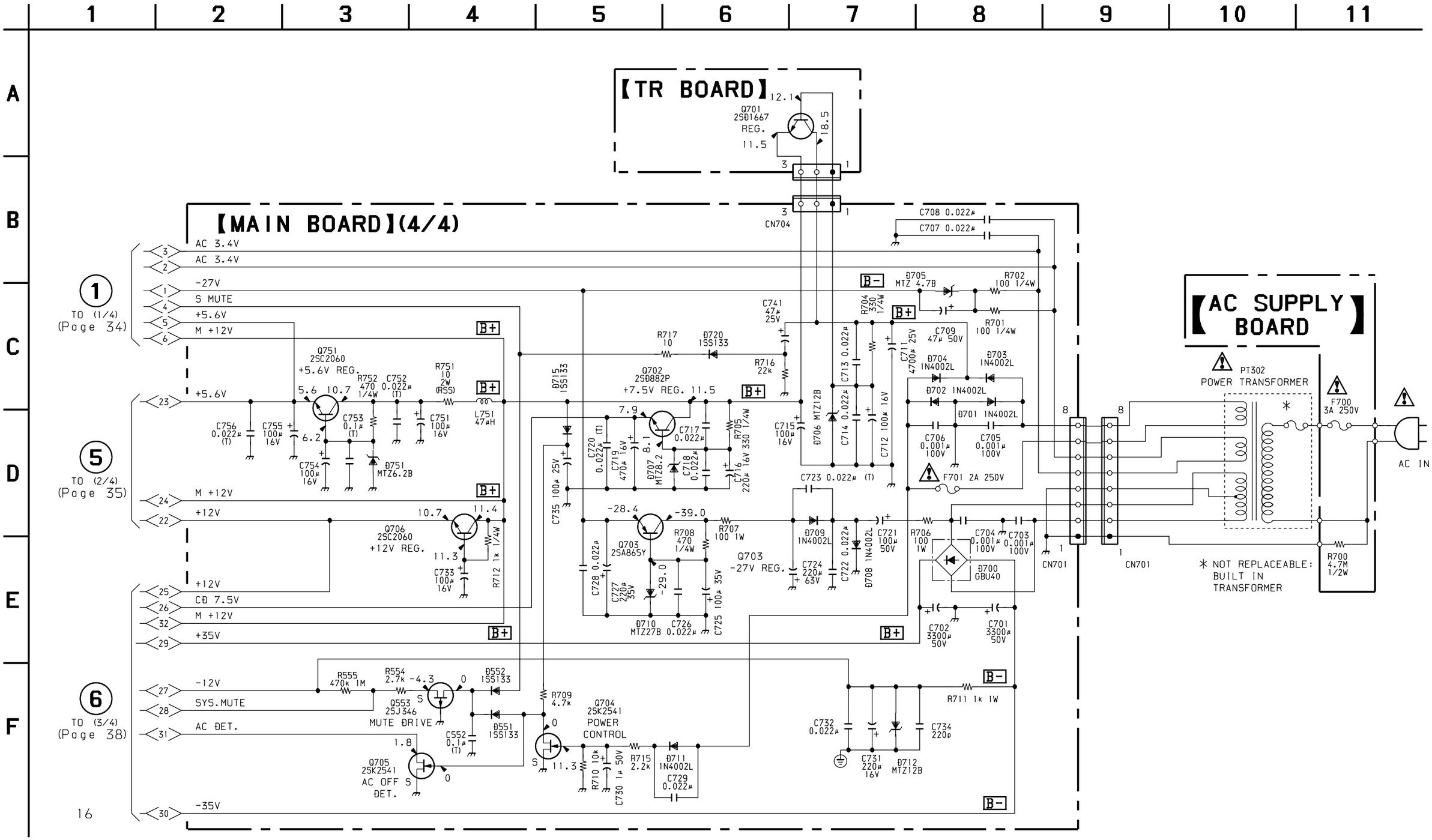
6-10.SCHEMATIC DIAGRAM — MAIN (3/4) SECTION —

• Refer to page 46 for IC Block Diagrams. • Refer to page 31 for Printed Wiring Board.



6-11.SCHEMATIC DIAGRAM — MAIN (4/4) SECTION —

• Refer to page 31 for Printed Wiring Board.



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

6-12. IC PIN FUNCTION
IC601 CXP82032-107Q(SYSTEM CONTROL) FRONT BOARD

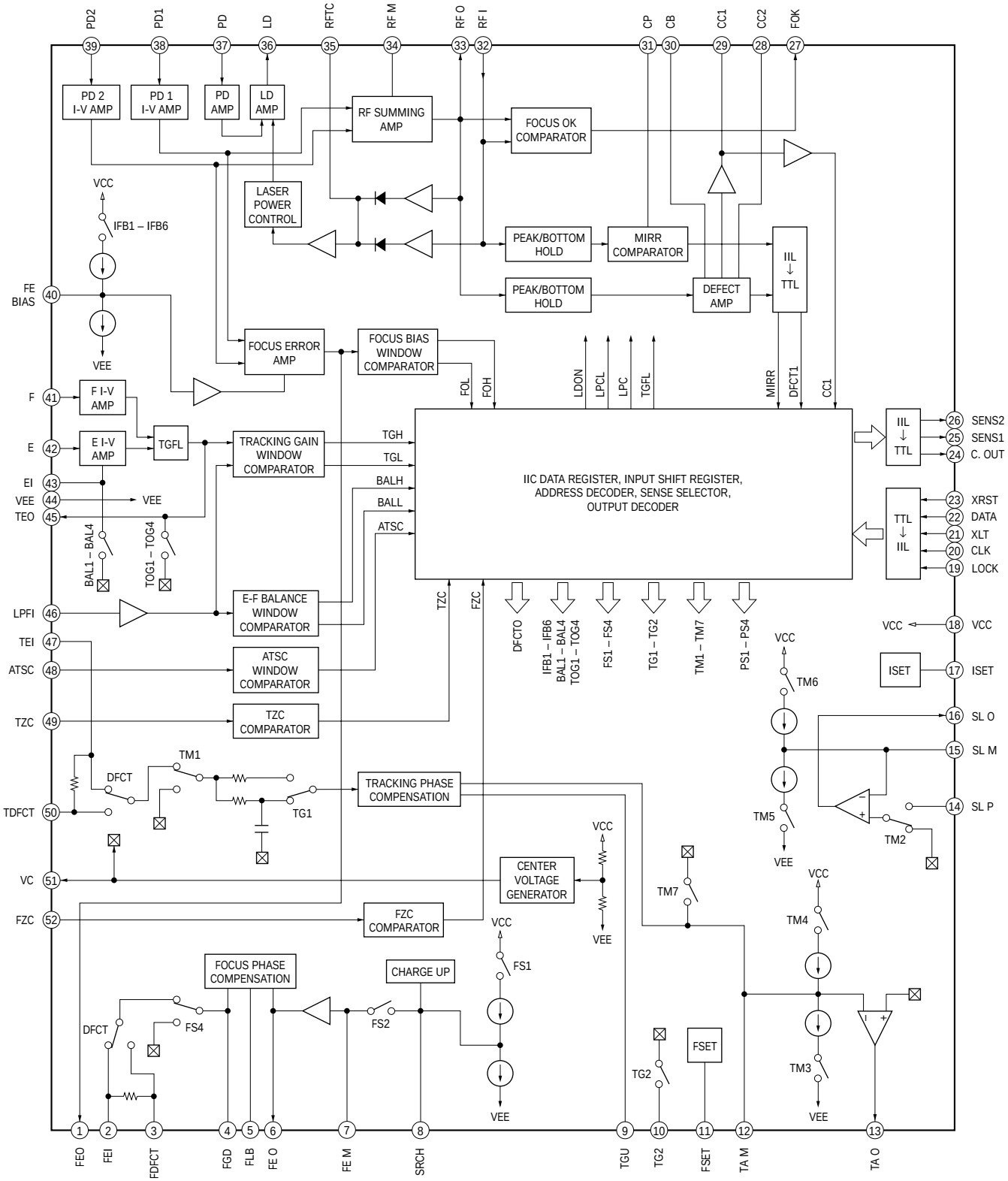
Pin No.	Pin Name	I/O	Description
1,2	2G,1G	O	FLD grid output.
3	NC	—	Not used.
4	SCOR	I	CXD2589Q SCOR input.
5	COUNT	I	CXD2589Q COUNT input.
6	POWER DOWN IN	I	Power data input.
7	FOK	I	FOK input.
8	REMOTE IN	I	Remote signal input.
9	DATA IN	I	Data input.(DECK secton)
10	S/L	O	S/L output.(DECK secton)
11	DECK,CD STB	O	STB output.(CD,DECK section)
12	LOCK	O	CXA1992BR LOCK output.
13	CLOCK	O	CXD2589Q CLOCK output.
14	MODE SW IN	O	Mode switch input.
15	NC	O	Not used.
16	CE	O	Not used.
17	CTRL	O	Function control output.
18	LATCH B	O	Not used.
19	LATCH A	O	LATCH output.
20	XLAT	O	CXD2589Q XLAT output.
21	CE	O	LC72131 CE output.
22	SQCK	O	CXD2589Q SQCK output.
23	SQSO	O	CXD2589Q SQSO output.
24	DATA	O	CXD2589Q DATA output.
25	S.CLOCK	O	S.CLOCK output.
26	S,DATA IN	I	S.DATA input.
27	S.DATA OUT	O	S.DATA output.
28	FM STEREO IN	I	FM Stereo input.
29 to 31	KEY IN O to 2	I	Key input 0 to 2.
32	VACS IN	I	Not used.
33 to 36	SPEANA IN 1 to 4	I	Not used.
37	ANS IN	I	AMS input.
38	RESET	I	RESET input.
39	EXTAL	—	X'TAL 10MHz
40	XTAL	—	X'TAL 10MHz
41	VSS	—	Ground.
42	SENS1	I	CXD2589Q SENS1 input.
43	SENS2	I	CXD2589Q SENS2 input.
44	VDD	—	VDD.
45	VFDP	—	VFDP.
46	PICK UP SW	I	Pick-up up switch signal input.
47	PICK DOWN SW	I	Pick-up down switch signal input.
48	DISC COUNT SW	I	Disc count switch signal input.
49	TURN TABLE SW	I	Turn Table switch signal input.
50	TRAY O. SW	I	Tray open switch signal input.

Pin No.	Pin Name	I/O	Description
51	TRAY C. SW	I	Tray close switch signal input.
52	VR UP	I	Volume up signal input.
53	VR DN	I	Volume down signal input.
54	CD ENCODER IN A	I	Not used.
55	CD ENCODER IN B	I	Not used.
56	SURROUND OUT	O	Not used.
57	DBFB NOR&HI OUT	O	Not used.
58	DBFB HI OUT	O	Not used.
59	DOLBY NR OUT	O	Not used.
60	2CH OUT	O	Not used.
61	MD MUTE	O	Not used.
62	TUNER MUTE OUT	O	Tuner Mute output.
63	SYSTEM MUTE OUT	O	System Mute output.
64	POWER SW OUT	O	POWER switch output.
65	P1	O	FLD segment output.
66	P2(MODE SW 1)	O	FLD segment output. Mode switch 1.
67	P3(MODE SW 2)	O	FLD segment output. Mode switch 2.
68	P4(MODE SW 3)	O	FLD segment output. Mode switch 3.
69	P5(MODE SW 4)	O	FLD segment output. Mode switch 4.
70	P6(MODE SW 5)	O	FLD segment output. Mode switch 5.
71	P7(MODE SW 6)	O	FLD segment output. Mode switch 6.
72	P8(MODE SW 7)	O	FLD segment output. Mode switch 7.
73	P9(MODE SW 8)	O	FLD segment output. Mode switch 8.
74	P10(MODE SW 9)	O	FLD segment output. Mode switch 9.
75	P11(MODE SW 10)	O	FLD segment output. Mode switch 10.
76	P12(MODE SW 11)	O	FLD segment output. Mode switch 11.
77	P13(MODE SW 12)	O	FLD segment output. Mode switch 12.
78	P14(MODE SW 13)	O	FLD segment output. Mode switch 13.
79	P15(MODE SW 14)	O	FLD segment output. Mode switch 14.
80 to 85	P16 to 21	O	FLD segment output.
86	NC	—	Not used.
87,88	15G,14G	O	FLD grid output.
89	VDD	—	VDD.
90 to 100	13G to 3G	O	FLD grid output.

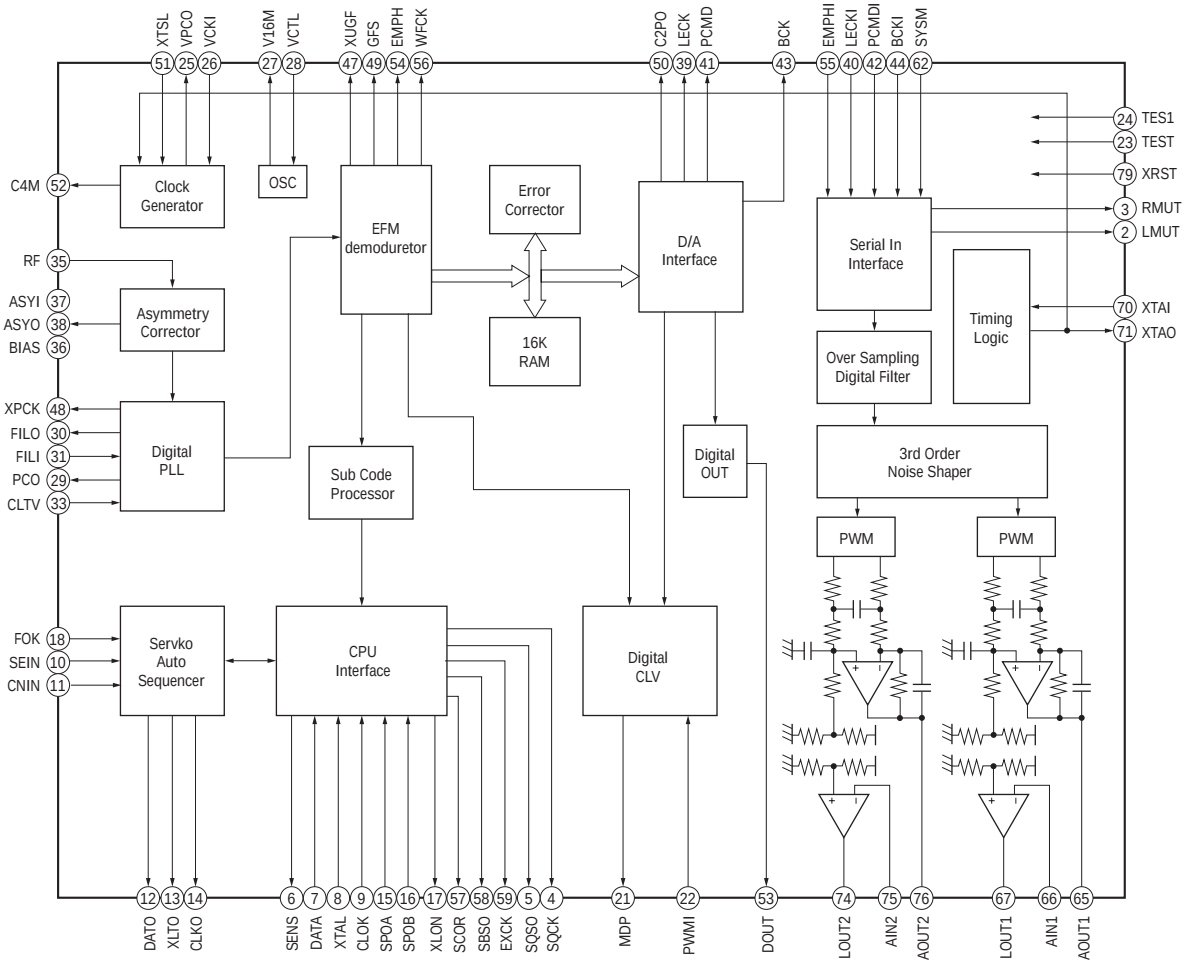
6-13. IC BLOCK DIAGRAMS

— CD DECORD BOARD —

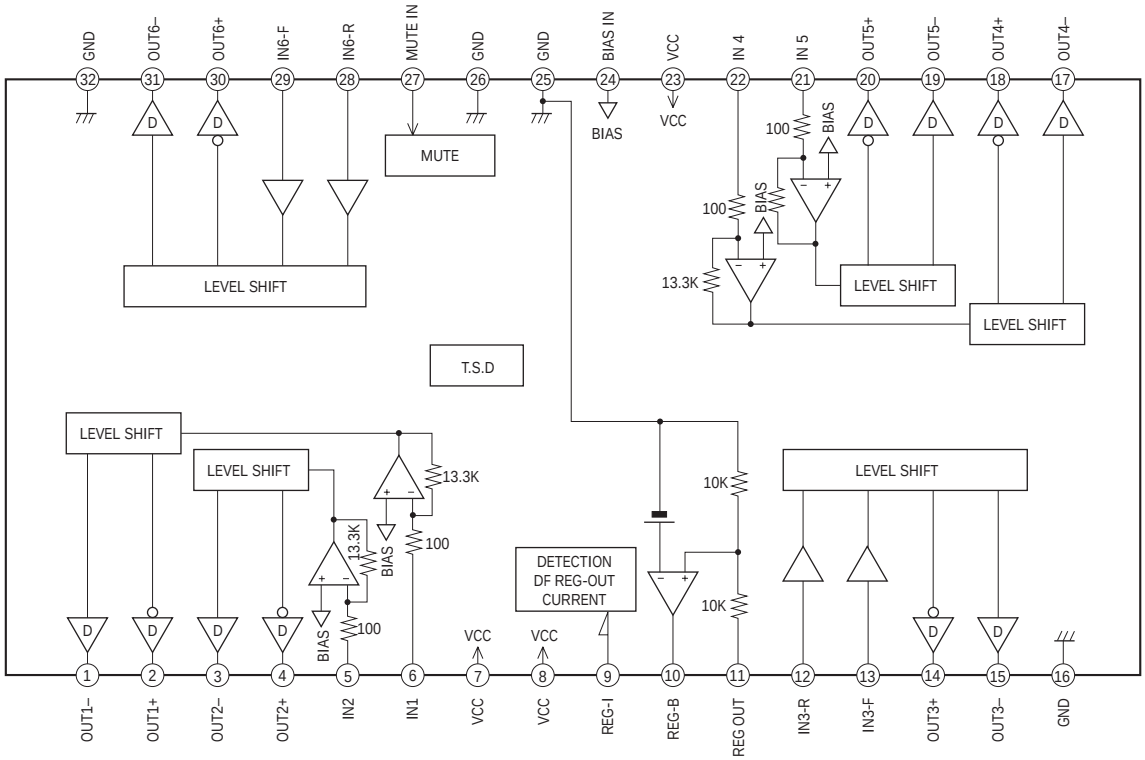
IC701 CXA1992BR



IC702 CXD2589Q

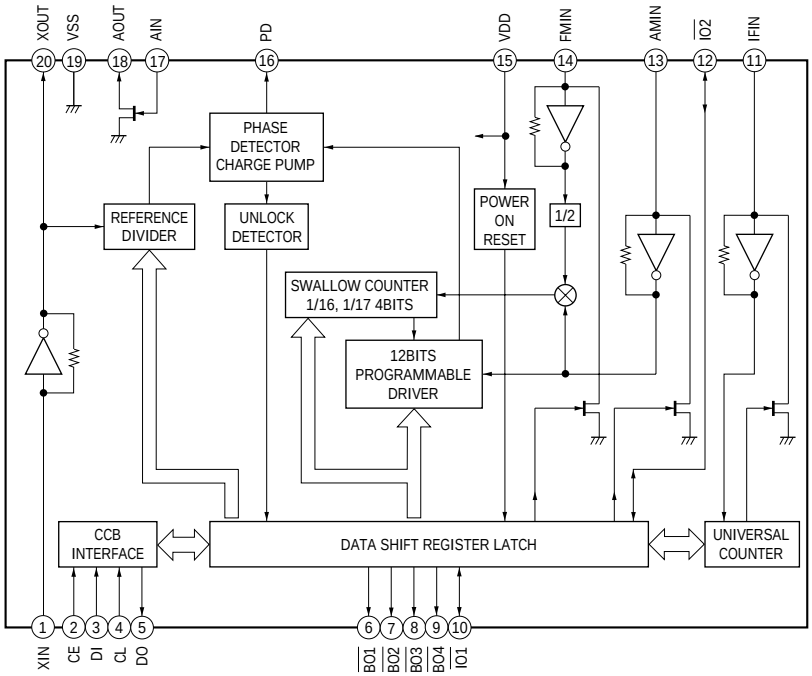


IC703 BA5936S

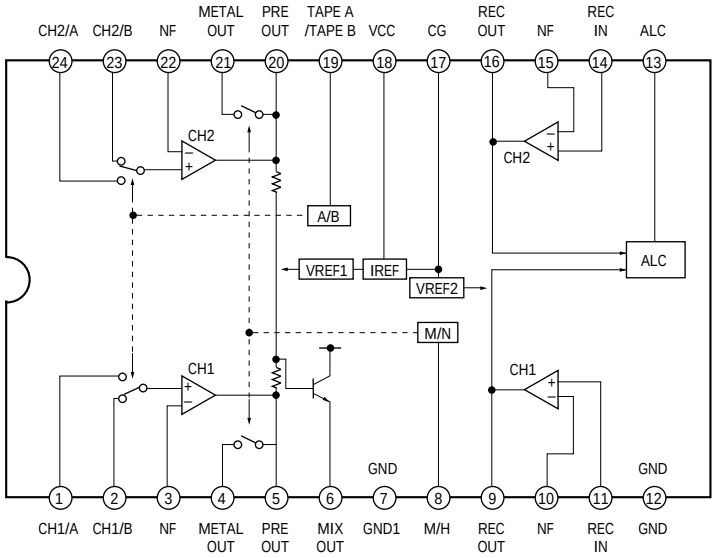


— MAIN BOARD —

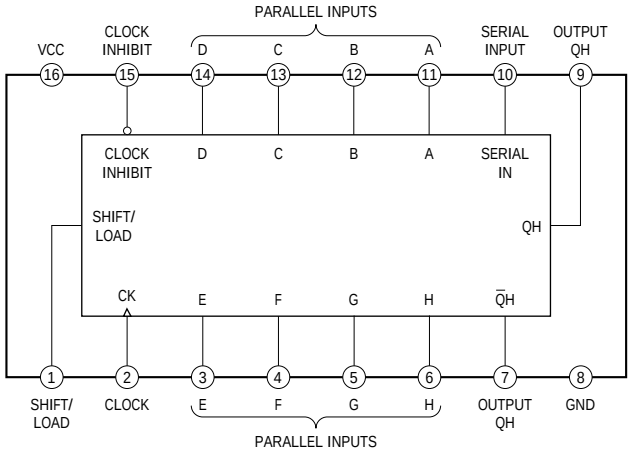
IC103 LC72131



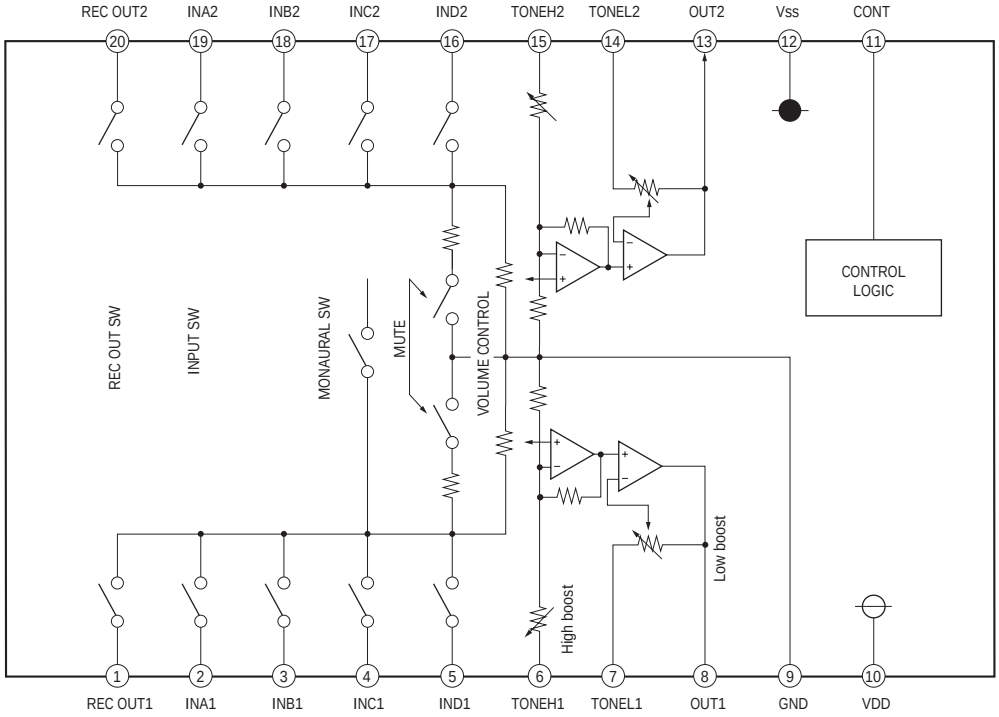
IC201 TA8189N



IC252 74HC165

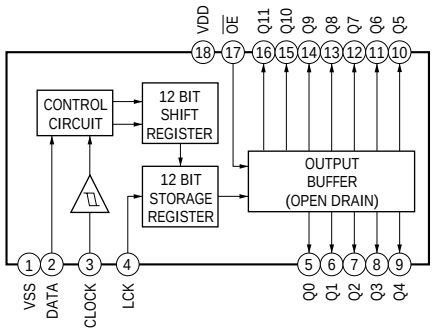


IC301 M62439SP



— FRONT BOARD —

IC602 BU2092



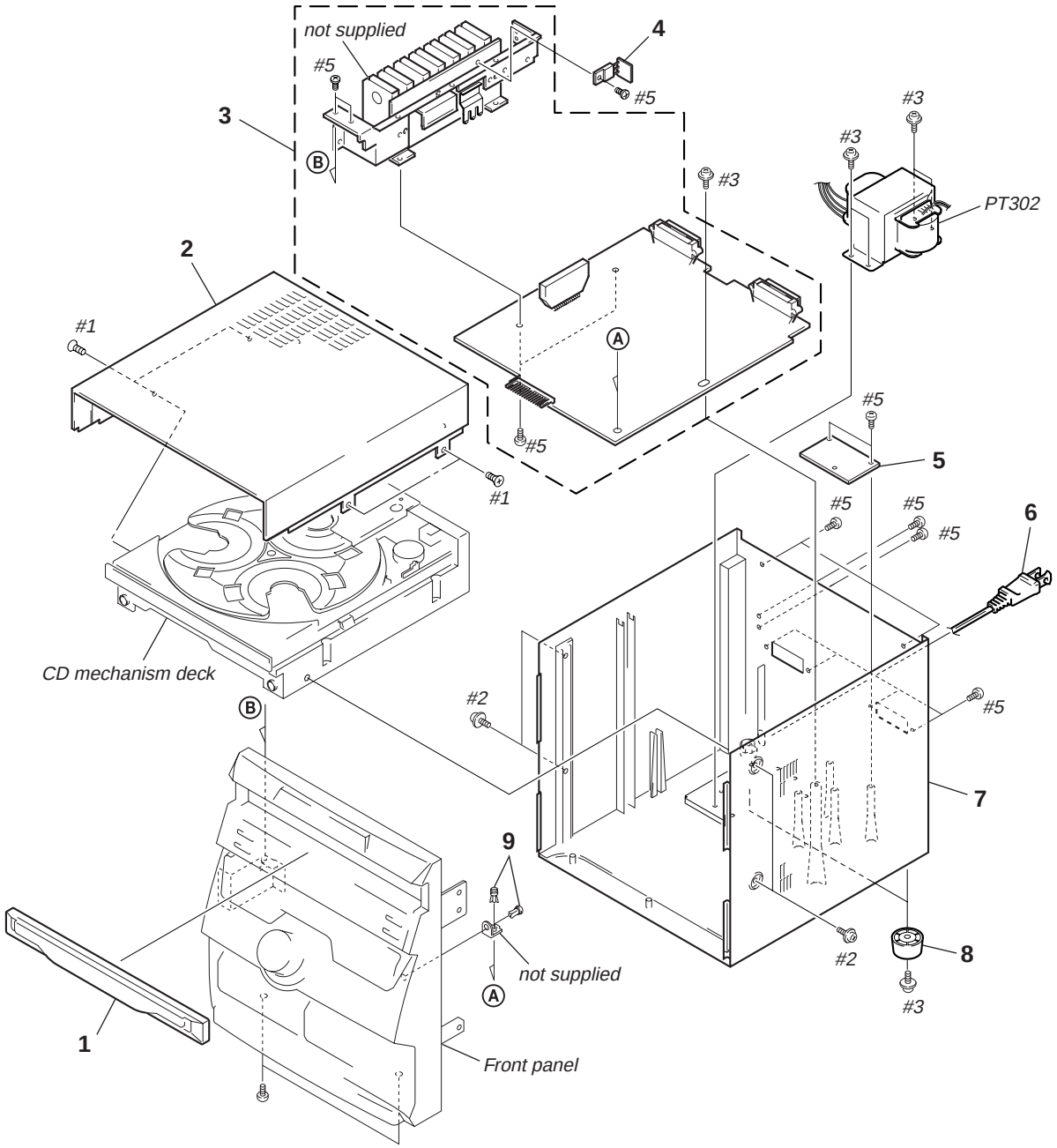
SECTION 7
EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

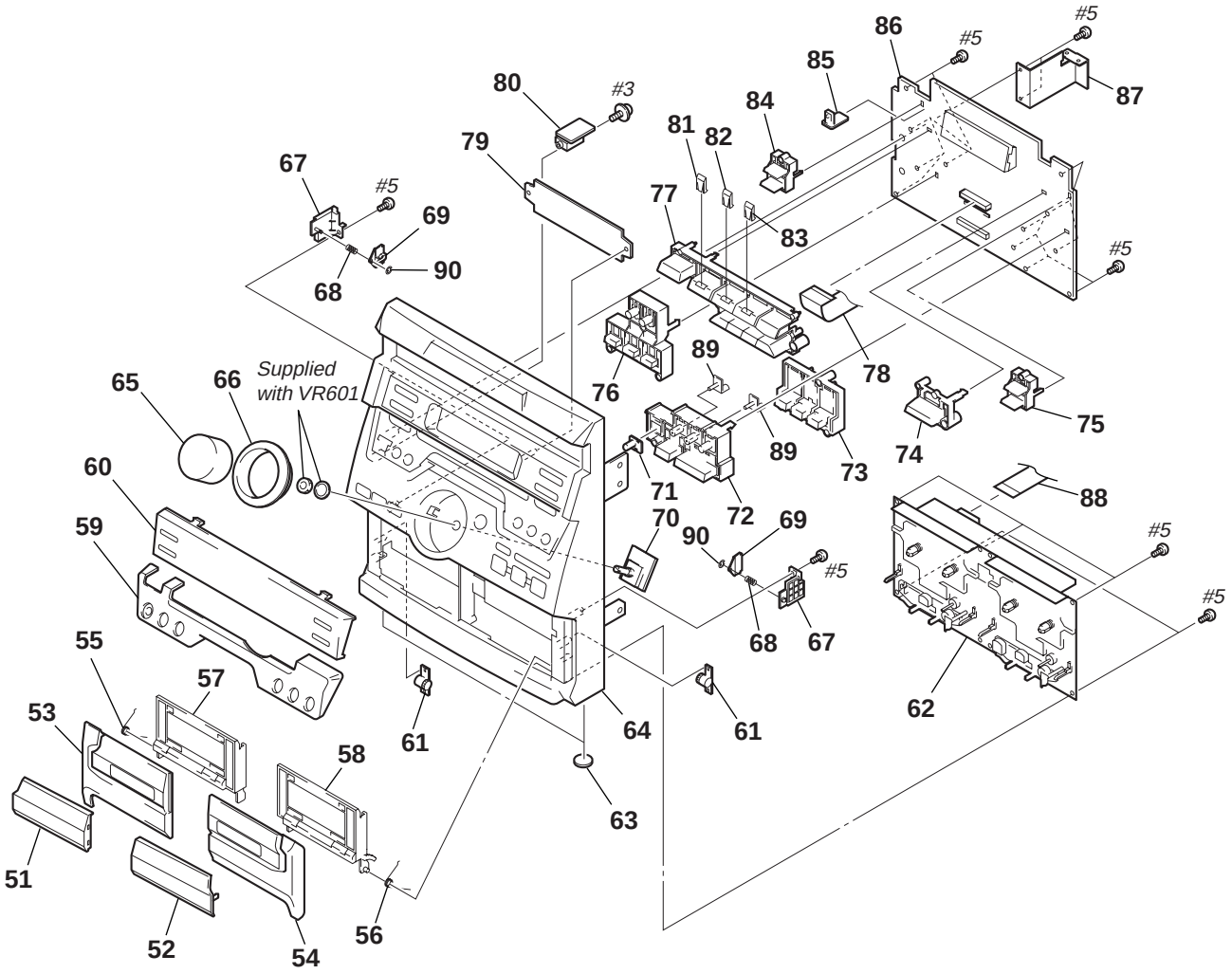
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

7-1. CABINET SECTION



Ref. No.	Part No.	Description	Remarks
1	4-220-597-01	DOOR, CD	
2	4-220-598-01	CABINET, TOP	
3	A-4419-974-A	MAIN BOARD, COMPLETE	
4	1-674-554-11	TR BOARD	
5	1-674-551-11	AC SUPPLY BOARD	
⚠6	1-783-531-51	CORD, POWER	
7	4-220-599-01	CABINET, BOTTOM	
8	4-220-601-01	FOOT (B)	
9	3-531-576-11	RIVET	
⚠PT302	1-433-916-11	TRANSFORMER, POWER	

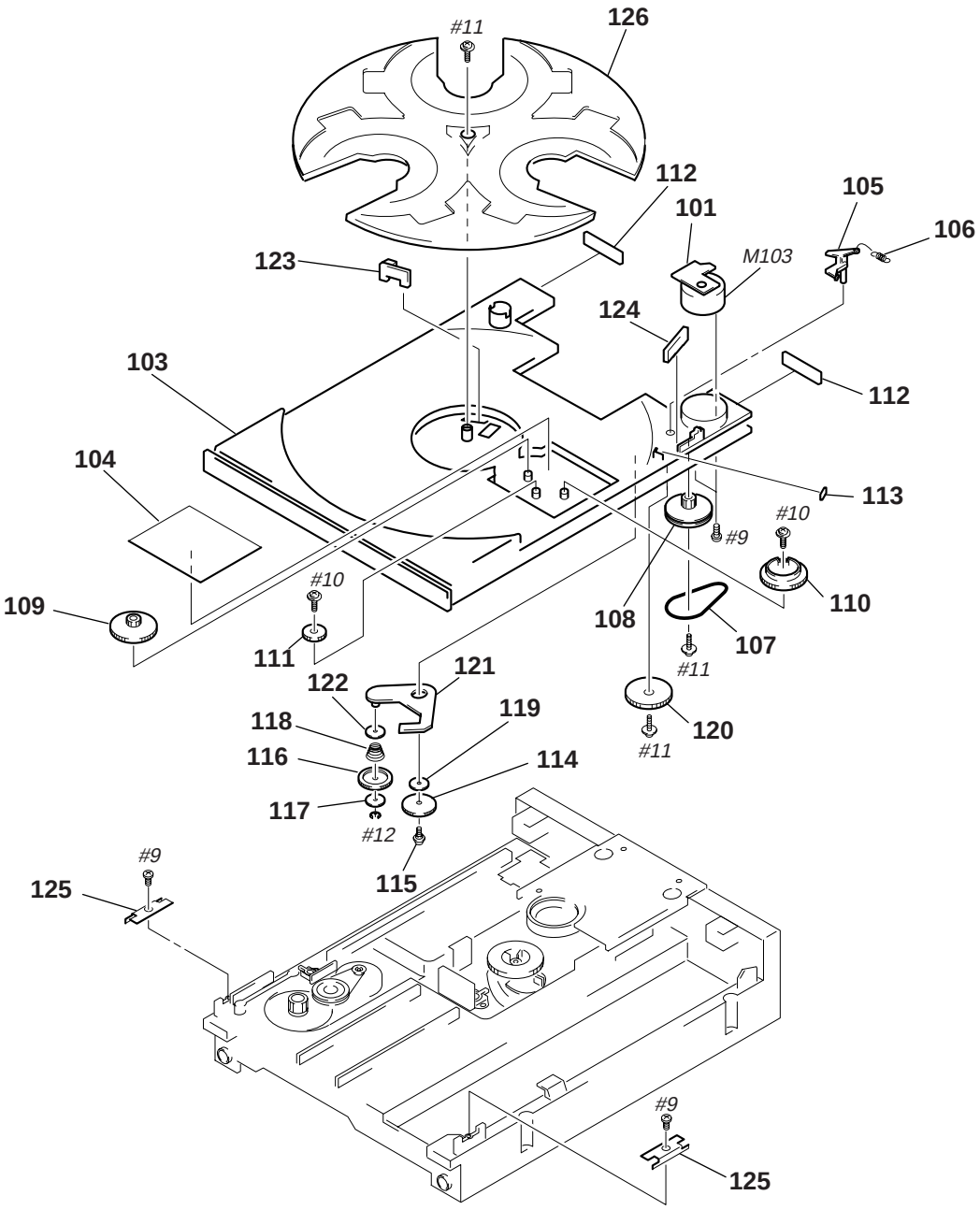
7-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks
51	4-220-592-01	WINDOW (L), CASSETTE	
52	4-220-593-01	WINDOW (R), CASSETTE	
53	4-220-626-01	HOLDER (L), CASSETTE	
54	4-220-627-01	HOLDER (R), CASSETTE	
55	4-220-623-01	SPRING (L), DOOR	
56	4-220-624-01	SPRING (R), DOOR	
57	4-220-595-01	DOOR (L), CASSETTE	
58	4-220-596-01	DOOR (R), CASSETTE	
59	4-220-604-01	COVER, FRONT	
60	4-220-605-01	WINDOW, DISPLAY	
61	4-220-622-01	DAMPER (GRY), GEAR	
62	1-772-163-11	DECK, MECH	
63	4-220-602-01	RUBBER, FOOT	
64	4-220-603-01	PANEL, FRONT	
65	4-220-594-01	KNOB, VOLUME	
66	4-220-621-01	RING, VOLUME	
67	4-220-766-01	HOLDER, EJECT	
68	4-220-628-01	SPRING, EJECT LEVER	
69	4-220-629-01	LEVER, EJECT	
70	1-674-553-11	VR SWITCH BOARD	

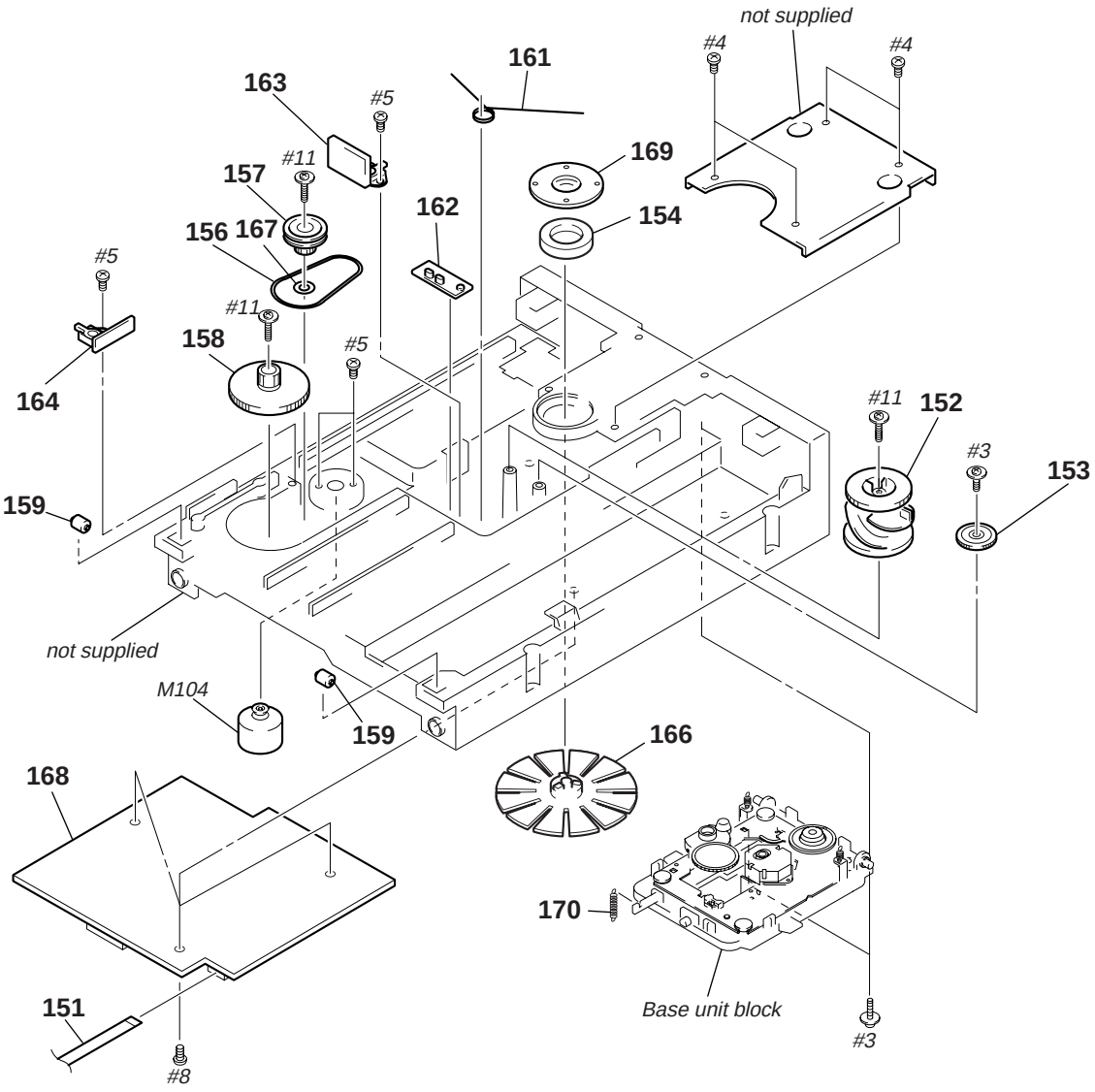
Ref. No.	Part No.	Description	Remarks
71	4-220-612-01	BUTTON, ENTER/NEXT	
72	4-220-613-01	BUTTON, REC	
73	4-220-610-01	BUTTON, DISC	
74	4-220-608-01	BUTTON, TUNER	
75	4-220-606-01	BUTTON, DISPLAY	
76	4-220-609-01	BUTTON, FILE SELECT	
77	4-220-611-01	BUTTON, CASS/REC	
78	1-769-273-11	WIRE (FLAT TYPE) (22 CORE)	
79	4-220-620-01	PLATE, DISPLAY	
80	1-674-552-11	H/P SUPPLY BOARD	
81	4-220-617-01	LENS (A), BUTTON	
82	4-220-618-01	LENS (B/L), BUTTON	
83	4-220-619-01	LENS (B/R), BUTTON	
84	4-220-616-01	BUTTON, CLOCK	
85	1-674-549-11	SENSOR BOARD	
86	A-4419-972-A	FRONT BOARD, COMPLETE	
87	4-220-625-01	BRACKET, MAIN PC BOARD	
88	1-783-579-11	WIRE (FRAT TYPE) (16 CORE)	
89	4-220-615-01	LENS, PAUSE BUTTON	
90	7-624-118-01	E RING	

7-3. CD MECHANISM DECK SECTION-1



Ref. No.	Part No.	Description	Remarks
101	1-674-792-11	MOTOR BOARD	
103	4-221-891-01	BASE CHANGER	
104	4-221-895-01	SHEET, BLIND	
105	4-221-896-01	LEVER, SENSOR (SW)	
106	4-992-182-01	SPRING, SENSOR (SW) LEVER	
107	4-992-170-01	BELT, LOADING	
108	4-992-171-01	PULLEY, GEAR	
109	4-221-894-01	GEAR, TR	
110	4-221-892-01	GEAR, TR LOCK	
111	4-221-893-01	GEAR (C), RELAY	
112	4-992-187-01	CUSHION	
113	4-992-186-01	CUSHION, SW LEVER	
114	4-992-173-01	GEAR (B), RELAY	
115	4-992-183-01	SCREW, RELAY GEAR (B)	
116	4-992-174-01	GEAR, CHANGE	
117	4-992-184-01	WASHER, CHANGE GEAR	
118	4-992-176-01	SPRING, CHANGE GEAR	
119	4-992-185-01	WASHER, CHANGE PLATE	
120	4-992-172-01	GEAR (A), RELAY	
121	4-221-902-01	PLATE, T/T	
122	4-992-201-01	WASHER, POLYEHTHYLENE	
123	1-674-789-11	SW (B) BOARD	
124	1-674-788-11	SW (A) BOARD	
* 125	4-993-034-01	GUIDE, RAIL	
126	4-221-901-01	TURNTABLE	
M103	X-4948-765-1	MOTOR ASSY	

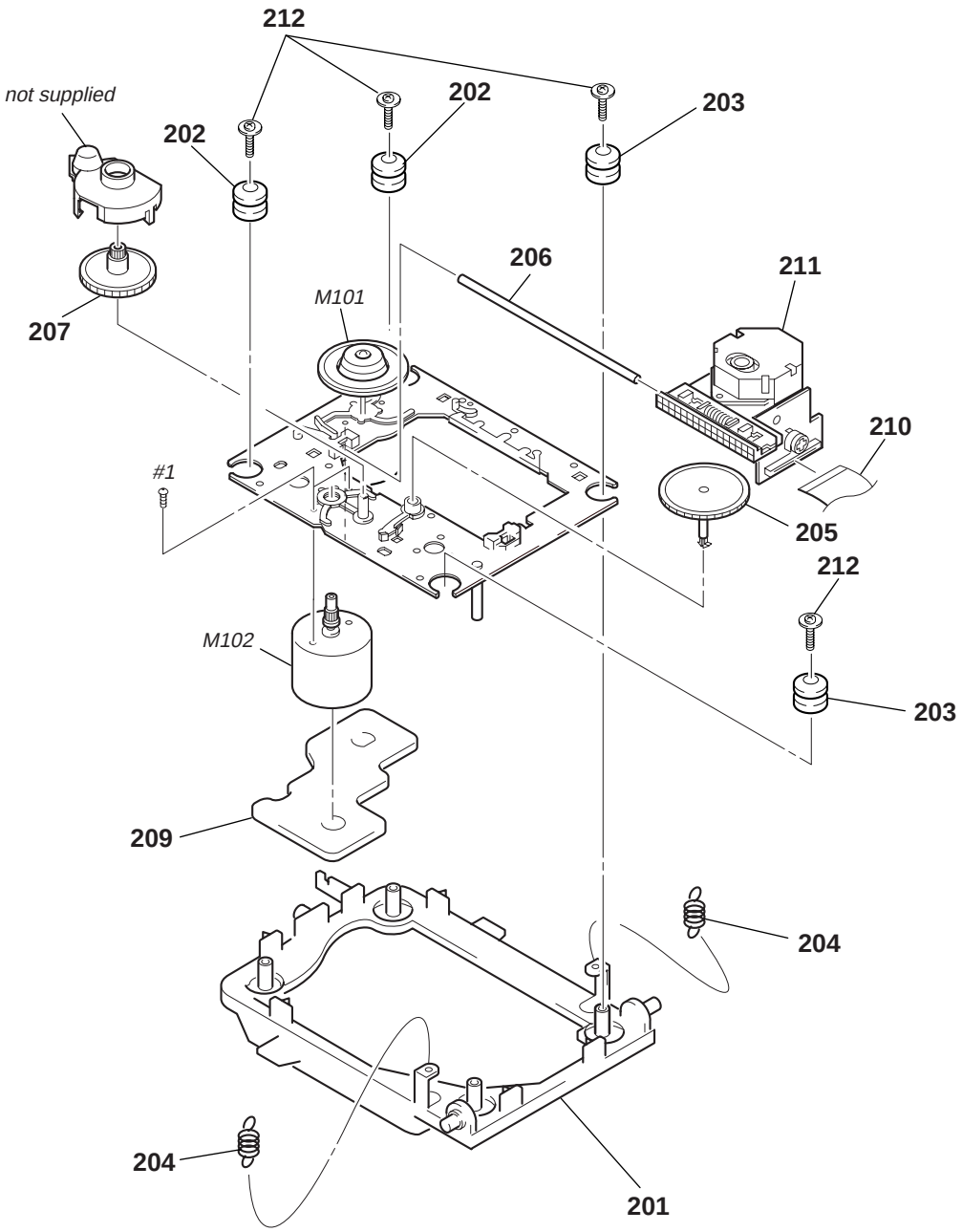
7-4. CD MECHANISM DECK SECTION-2



Ref. No.	Part No.	Description	Remarks
151	1-769-856-11	WIRE (FLAT TYPE) (5 CORE)	
152	4-221-897-01	UD-CAM	
153	4-992-191-01	UD-GEAR	
154	4-992-195-01	MAGNET	
156	4-992-197-01	BELT, LOADING GEAR	
157	4-992-198-01	PULLEY (B), GEAR	
158	4-992-199-01	GEAR, SLIDE	
159	4-992-200-01	ROLLER	
160	4-992-192-01	SPRING, BRAKE CAM	
161	4-992-193-01	LEVER, SW	

Ref. No.	Part No.	Description	Remarks
162	1-674-791-11	SW (D) BOARD	
163	1-674-790-11	SW (C) BOARD	
164	4-992-194-01	CLAMP	
165	4-992-201-01	WASHER, POLYETHYLENE	
166	4-221-898-01	HOLDER, MAGNET	
168	A-4426-391-A	CD DECORD BOARD, COMPLETE	
169	4-221-900-01	COVER, MAGNET	
170	4-221-903-01	SPRING, MECHANICAL BASE	
M104	X-4948-766-1	MOTOR ASSY (A)	

7-5. BASE UNIT SECTION (KSM-213ECM)



Ref. No.	Part No.	Description	Remarks
201	4-992-164-01	BASE, KSM MECHANICAL	
202	4-992-165-01	DAMPER (GREEN)	
203	4-992-166-01	DAMPER (RED)	
204	4-992-167-01	SPRING, MECHANICAL BASE	
205	2-626-907-01	GEAR (A)(S)	
206	2-626-908-01	SHAFT, SLED	
207	2-627-003-02	GEAR (B)	
209	1-639-678-12	MOTOR (6P)(S) BOARD	
210	1-783-740-11	WIRE (FLAT TYPE)	
⚠211	8-820-054-03	OPTICAL PICK-UP KSS-213ECM/C2NP	
212	3-319-501-51	SCREW (+PTPWH) (2.6 × 16)	
M101	X-2625-877-1	MOTOR ASSY (SPINDLE)	
M102	X-2625-769-1	MOTOR ASSY (SLED)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

AC SUPPLY

CD DECORD

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description			Remarks
⚠	1-674-551-11	AC SUPPLY BOARD			
		**********			
	1-533-213-31	HOLDER, FUSE			
		< FUSE >			
⚠F700	1-576-104-11	FUSE 3A 250V			
		< RESISTOR >			
R700	1-202-727-00	CARBON	4.7M	5%	1/3W
**********					
	A-4426-391-A	CD DECORD BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C701	1-104-664-11	ELECT	47uF	20%	16V
C702	1-137-399-11	FILM	0.1uF	5%	100V
C703	1-137-399-11	FILM	0.1uF	5%	100V
C704	1-137-352-11	FILM	0.033uF	5%	100V
C705	1-137-393-11	FILM	0.01uF	5%	100V
C706	1-128-551-11	ELECT	22uF	20%	25V
C707	1-162-203-31	CERAMIC	15PF	5%	50V
C708	1-164-159-11	CERAMIC	0.1uF		50V
C711	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C712	1-162-306-11	CERAMIC	0.01uF	20%	16V
C713	1-136-291-11	FILM	0.0068uF	5%	100V
C714	1-137-397-11	FILM	0.047uF	5%	100V
C715	1-161-494-00	CERAMIC	0.022uF		25V
C716	1-137-399-11	FILM	0.1uF	5%	100V
C717	1-104-665-11	ELECT	100uF	20%	10V
C718	1-104-665-11	ELECT	100uF	20%	10V
C719	1-137-399-11	FILM	0.1uF	5%	100V
C720	1-137-389-11	FILM	0.0022uF	5%	100V
C721	1-137-399-11	FILM	0.1uF	5%	100V
C722	1-137-399-11	FILM	0.1uF	5%	100V
C723	1-137-399-11	FILM	0.1uF	5%	100V
C724	1-107-713-11	ELECT	4.7uF	20%	50V
C725	1-137-352-11	FILM	0.033uF	5%	100V
C726	1-137-462-11	FILM	0.018uF	5%	100V
C727	1-162-199-31	CERAMIC	10PF	5%	50V
C728	1-137-398-11	FILM	0.068uF	5%	100V
C729	1-126-962-11	ELECT	3.3uF	20%	50V
C730	1-162-215-31	CERAMIC	47PF	5%	50V
C731	1-164-159-11	CERAMIC	0.1uF		50V
C732	1-161-494-00	CERAMIC	0.022uF		25V

Ref. No.	Part No.	Description			Remarks
C733	1-104-665-11	ELECT	100uF	20%	10V
C734	1-161-494-00	CERAMIC	0.022uF		25V
C735	1-126-925-11	ELECT	470uF	20%	10V
C736	1-162-294-31	CERAMIC	0.001uF	10%	50V
C737	1-162-306-11	CERAMIC	0.01uF	20%	16V
C738	1-164-159-11	CERAMIC	0.1uF		50V
C740	1-126-925-11	ELECT	470uF	20%	10V
C741	1-161-494-00	CERAMIC	0.022uF		25V
C742	1-161-494-00	CERAMIC	0.022uF		25V
C743	1-126-927-11	ELECT	2200uF	20%	10V
C744	1-162-306-11	CERAMIC	0.01uF	20%	16V
C745	1-162-306-11	CERAMIC	0.01uF	20%	16V
C746	1-107-713-11	ELECT	4.7uF	20%	35V
C746A	1-126-963-11	ELECT	4.7uF	20%	50V
C751	1-162-306-11	CERAMIC	0.01uF	20%	16V
C752	1-126-964-11	ELECT	10uF	20%	50V
C753	1-161-494-00	CERAMIC	0.022uF		25V
C754	1-104-665-11	ELECT	100uF	20%	10V
C755	1-161-494-00	CERAMIC	0.022uF		25V
C756	1-136-173-00	FILM	0.47uF	5%	50V
C757	1-162-306-11	CERAMIC	0.01uF	20%	16V
C759	1-162-290-31	CERAMIC	470PF	10%	50V
C760	1-162-286-31	CERAMIC	220PF	10%	50V
C761	1-136-169-00	FILM	0.22uF	5%	50V
C762	1-137-393-11	FILM	0.01uF	5%	100V
C763	1-161-494-00	CERAMIC	0.022uF		25V
C764	1-104-665-11	ELECT	100uF	20%	10V
C765	1-162-294-31	CERAMIC	0.001uF	10%	50V
C766	1-162-294-31	CERAMIC	0.001uF	10%	50V
C767	1-162-294-31	CERAMIC	0.001uF	10%	50V
C768	1-162-294-31	CERAMIC	0.001uF	10%	50V
C769	1-162-294-31	CERAMIC	0.001uF	10%	50V
C770	1-164-159-11	CERAMIC	0.1uF		50V
C771	1-161-494-00	CERAMIC	0.022uF		25V
C771A	1-161-494-00	CERAMIC	0.022uF		25V
C772	1-161-494-00	CERAMIC	0.022uF		25V
C773	1-102-961-00	CERAMIC	27PF	5%	50V
C774	1-102-961-00	CERAMIC	27PF	5%	50V
C777	1-162-294-31	CERAMIC	0.001uF	10%	50V
C778	1-162-294-31	CERAMIC	0.001uF	10%	50V
C779	1-162-282-31	CERAMIC	100PF	10%	50V
C779A	1-126-960-11	ELECT	1uF	20%	50V
C780	1-162-294-31	CERAMIC	0.001uF	10%	50V
C780A	1-126-960-11	ELECT	1uF	20%	50V
C781	1-162-284-31	CERAMIC	150PF	10%	50V
C782	1-162-284-31	CERAMIC	150PF	10%	50V
C783	1-162-292-31	CERAMIC	680PF	10%	50V
C784	1-162-292-31	CERAMIC	680PF	10%	50V
C785	1-126-963-11	ELECT	4.7uF	20%	50V
C786	1-126-963-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description			Remarks
C787	1-162-294-31	CERAMIC	0.001uF	10%	50V
C788	1-162-294-31	CERAMIC	0.001uF	10%	50V
C789	1-161-494-00	CERAMIC	0.022uF		25V
C790	1-126-927-11	ELECT	2200uF	20%	10V
C790A	1-161-494-00	CERAMIC	0.022uF		25V
C791	1-164-159-11	CERAMIC	0.1uF		50V
C792	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C793	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C794	1-162-302-11	CERAMIC	0.0022uF	30%	16V
C795	1-164-159-11	CERAMIC	0.1uF		50V
C797	1-161-494-00	CERAMIC	0.022uF		25V
C798	1-126-963-11	ELECT	4.7uF	20%	50V
C799	1-161-494-00	CERAMIC	0.022uF		25V
C799B	1-104-665-11	ELECT	100uF	20%	10V
		< CONNECTOR >			
CN701	1-580-475-11	SOCKET, CONNECTOR 16P			
CN705	1-568-822-21	SOCKET, CONNECTOR 22P			
* CN706	1-568-824-11	SOCKET, CONNECTOR 5P			
* CN707	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			
		< DIODE >			
D703	8-719-991-33	DIODE 1SS133T-77			
D707	8-719-991-33	DIODE 1SS133T-77			
D708	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC701	8-752-082-14	IC CXA1992BR			
IC702	8-752-384-13	IC CXD2589Q			
IC703	8-759-579-80	IC BA5936S			
IC704	8-759-234-75	IC TC74HC4094AP			
IC705	8-759-505-55	IC NJM4558L			
		< COIL >			
L704	1-410-509-11	INDUCTOR	10uH		
L705	1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q701	8-729-195-23	TRANSISTOR 2SA952-L			
Q702	8-729-195-23	TRANSISTOR 2SA952-L			
Q703	8-729-195-23	TRANSISTOR 2SA952-L			
Q705	8-729-194-57	TRANSISTOR 2SC945TP-P			
Q706	8-729-194-57	TRANSISTOR 2SC945TP-P			
Q707	8-729-195-23	TRANSISTOR 2SA952-L			
Q708	8-729-195-23	TRANSISTOR 2SA952-L			
		< RESISTOR >			
R701	1-249-393-11	CARBON	10	5%	1/4W F
R704	1-247-862-11	CARBON	20K	5%	1/4W
R705	1-247-855-11	CARBON	10K	5%	1/4W
R706	1-249-430-11	CARBON	12K	5%	1/4W
R707	1-247-903-00	CARBON	1M	5%	1/4W
R710	1-247-887-00	CARBON	220K	5%	1/4W
R710A	1-249-417-11	CARBON	1K	5%	1/4W F
R711	1-247-883-00	CARBON	150K	5%	1/4W
R713	1-247-879-11	CARBON	100K	5%	1/4W
R714	1-249-439-11	CARBON	68K	5%	1/4W

Ref. No.	Part No.	Description			Remarks
R715	1-249-439-11	CARBON	68K	5%	1/4W
R716	1-249-439-11	CARBON	68K	5%	1/4W
R717	1-249-439-11	CARBON	68K	5%	1/4W
R718	1-247-879-11	CARBON	100K	5%	1/4W
R719	1-247-883-00	CARBON	150K	5%	1/4W
R720	1-247-891-00	CARBON	330K	5%	1/4W
R721	1-247-885-00	CARBON	180K	5%	1/4W
R722	1-247-807-11	CARBON	100	5%	1/4W
R723	1-247-855-11	CARBON	10K	5%	1/4W
R724	1-247-855-11	CARBON	10K	5%	1/4W
R725	1-247-899-11	CARBON	680K	5%	1/4W
R726	1-249-440-11	CARBON	82K	5%	1/4W
R727	1-247-896-11	CARBON	510K	5%	1/4W
R728	1-247-807-11	CARBON	100	5%	1/4W
R729	1-249-439-11	CARBON	68K	5%	1/4W
R730	1-247-871-11	CARBON	47K	5%	1/4W
R731	1-249-417-11	CARBON	1K	5%	1/4W F
R732	1-247-883-00	CARBON	150K	5%	1/4W
R733	1-249-430-11	CARBON	12K	5%	1/4W
R734	1-247-876-11	CARBON	75K	5%	1/4W
R735	1-247-879-11	CARBON	100K	5%	1/4W
R736	1-247-807-11	CARBON	100	5%	1/4W
R737	1-249-417-11	CARBON	1K	5%	1/4W F
R739	1-247-807-11	CARBON	100	5%	1/4W
R740	1-249-431-11	CARBON	15K	5%	1/4W
R741	1-249-431-11	CARBON	15K	5%	1/4W
R742	1-249-385-11	CARBON	2.2	5%	1/6W F
R743	1-247-863-11	CARBON	22K	5%	1/4W
R744	1-247-863-11	CARBON	22K	5%	1/4W
R745	1-247-863-11	CARBON	22K	5%	1/4W
R746	1-249-432-11	CARBON	18K	5%	1/4W
R747	1-249-432-11	CARBON	18K	5%	1/4W
R747A	1-247-855-11	CARBON	10K	5%	1/4W
R748	1-247-847-11	CARBON	4.7K	5%	1/4W
R748A	1-249-417-11	CARBON	1K	5%	1/4W F
R751	1-247-863-11	CARBON	22K	5%	1/4W
R752	1-247-867-11	CARBON	33K	5%	1/4W
R753	1-249-428-11	CARBON	8.2K	5%	1/4W F
R755	1-247-871-11	CARBON	47K	5%	1/4W
R756	1-247-867-11	CARBON	33K	5%	1/4W
R758	1-247-871-11	CARBON	47K	5%	1/4W
R759	1-247-843-11	CARBON	3.3K	5%	1/4W
R760	1-249-417-11	CARBON	1K	5%	1/4W F
R761	1-247-855-11	CARBON	10K	5%	1/4W
R762	1-247-903-00	CARBON	1M	5%	1/4W
R763	1-247-887-00	CARBON	220K	5%	1/4W
R764	1-247-855-11	CARBON	10K	5%	1/4W
R765	1-247-871-11	CARBON	47K	5%	1/4W
R766	1-249-417-11	CARBON	1K	5%	1/4W F
R766A	1-249-417-11	CARBON	1K	5%	1/4W F
R767	1-249-417-11	CARBON	1K	5%	1/4W F
R767A	1-249-417-11	CARBON	1K	5%	1/4W F
R768A	1-249-417-11	CARBON	1K	5%	1/4W F
R771	1-249-417-11	CARBON	1K	5%	1/4W F
R773	1-249-442-11	CARBON	510	5%	1/4W
R774	1-247-903-00	CARBON	1M	5%	1/4W
R775	1-247-867-11	CARBON	33K	5%	1/4W
R777	1-247-839-11	CARBON	2.2K	5%	1/4W
R778	1-247-839-11	CARBON	2.2K	5%	1/4W

CD DECORD FRONT

Ref. No.	Part No.	Description			Remarks
R778L	1-247-847-11	CARBON	4.7K	5%	1/4W
R778R	1-247-847-11	CARBON	4.7K	5%	1/4W
R779	1-247-839-11	CARBON	2.2K	5%	1/4W
R780	1-247-839-11	CARBON	2.2K	5%	1/4W
R780A	1-249-417-11	CARBON	1K	5%	1/4W F
R781	1-249-430-11	CARBON	12K	5%	1/4W
R782	1-249-430-11	CARBON	12K	5%	1/4W
R783	1-249-430-11	CARBON	12K	5%	1/4W
R784	1-249-430-11	CARBON	12K	5%	1/4W
R785	1-249-430-11	CARBON	12K	5%	1/4W
R786	1-249-430-11	CARBON	12K	5%	1/4W
R787	1-247-839-11	CARBON	2.2K	5%	1/4W
R788	1-247-839-11	CARBON	2.2K	5%	1/4W
R789	1-247-847-11	CARBON	4.7K	5%	1/4W
R790	1-247-847-11	CARBON	4.7K	5%	1/4W
R795	1-249-417-11	CARBON	1K	5%	1/4W F
R795A	1-247-855-11	CARBON	10K	5%	1/4W
R796	1-249-417-11	CARBON	1K	5%	1/4W F
R796A	1-247-855-11	CARBON	10K	5%	1/4W
R797	1-249-417-11	CARBON	1K	5%	1/4W F
R798L	1-247-855-11	CARBON	10K	5%	1/4W
R798R	1-247-855-11	CARBON	10K	5%	1/4W
		< VIBRATOR >			
XTL01	1-567-908-11	VIBRATOR, CRYSTAL (16.9344MHz)			
**********					
	A-4419-972-A	FRONT BOARD, COMPLETE			
		**********			
	4-220-630-01	HOLDER (A), LED			
	4-220-631-01	HOLDER (B), LED			
	4-220-632-01	HOLDER (C), LED			
		< CAPACITOR >			
C601	1-126-916-11	ELECT	1000uF	20%	6.3V
C602	1-161-494-00	CERAMIC	0.022uF		25V
C603	1-164-159-11	CERAMIC	0.1uF		50V
C604	1-126-933-11	ELECT	100uF	20%	16V
C605	1-126-947-11	ELECT	47uF	20%	35V
C606	1-164-159-11	CERAMIC	0.1uF		50V
C608	1-126-958-11	ELECT	0.33uF	20%	50V
C609	1-164-159-11	CERAMIC	0.1uF		50V
C610	1-126-964-11	ELECT	10uF	20%	50V
C611	1-161-494-00	CERAMIC	0.022uF		25V
C612	1-126-960-11	ELECT	1uF	20%	50V
C613	1-102-962-00	CERAMIC	30PF	5%	50V
C614	1-102-962-00	CERAMIC	30PF	5%	50V
C615	1-126-964-11	ELECT	10uF	20%	50V
C616	1-110-671-31	CERAMIC	47000PF		50V
C618	1-162-294-31	CERAMIC	0.001uF	10%	50V
C619	1-162-286-31	CERAMIC	220PF	10%	50V
C620	1-162-306-11	CERAMIC	0.01uF	20%	16V
C621	1-162-306-11	CERAMIC	0.01uF	20%	16V
C622	1-126-964-11	ELECT	10uF	20%	50V
C623	1-161-494-00	CERAMIC	0.022uF		25V
C624	1-162-286-31	CERAMIC	220PF	10%	50V
C625	1-162-286-31	CERAMIC	220PF	10%	50V
C626	1-162-286-31	CERAMIC	220PF	10%	50V
C627	1-162-294-31	CERAMIC	0.001uF	10%	50V

Ref. No.	Part No.	Description			Remarks
C628	1-162-294-31	CERAMIC	0.001uF	10%	50V
C629	1-162-294-31	CERAMIC	0.001uF	10%	50V
C630	1-162-294-31	CERAMIC	0.001uF	10%	50V
C631	1-162-294-31	CERAMIC	0.001uF	10%	50V
C632	1-162-294-31	CERAMIC	0.001uF	10%	50V
C633	1-164-159-11	CERAMIC	0.1uF		50V
C634	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
* CN601	1-770-333-11	HOUSING,CONNECTOR(PC BOARD)20P			
* CN605	1-568-822-11	SOCKET, CONNECTOR 22P			
		< DIODE >			
D601	8-719-200-02	DIODE 10E2			
D602	8-719-200-02	DIODE 10E2			
D603	8-719-911-19	DIODE 1SS119			
D604	8-719-911-19	DIODE 1SS119			
D612	8-719-911-19	DIODE 1SS119			
D616	8-719-911-19	DIODE 1SS119			
D617	8-719-911-19	DIODE 1SS119			
D618	8-719-911-19	DIODE 1SS119			
D623	8-719-911-19	DIODE 1SS119			
		< FLUORESCENT INDICATOR TUBE >			
FLD601	1-517-761-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC602	8-759-275-23	IC BU2092			
		< COIL >			
L601	1-414-151-11	INDUCTOR 470uH			
		< LED >			
LED601	8-719-302-52	LED SEL1410E (CD ►II)			
LED602	8-719-301-52	LED SEL2810A-C (ENTER/NEXT)			
LED604	8-719-301-38	LED SEL2210S-C (REC)			
LED605	8-719-301-42	LED SEL2410E (TAPE B ►)			
LED606	8-719-301-42	LED SEL2410E (TAPE A ►)			
		< TRANSISTOR >			
Q601	8-729-194-57	TRANSISTOR 2SC945-P			
Q602	8-729-194-57	TRANSISTOR 2SC945-P			
Q603	8-729-194-57	TRANSISTOR 2SC945-P			
Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q607	8-729-026-29	TRANSISTOR 2SJ346			
Q608	8-729-026-29	TRANSISTOR 2SJ346			
		< RESISTOR >			
R600	1-249-413-11	CARBON	470	5%	1/4W F
R601	1-247-871-11	CARBON	47K	5%	1/4W
R602	1-249-417-11	CARBON	1K	5%	1/4W F
R603	1-247-871-11	CARBON	47K	5%	1/4W
R604	1-249-417-11	CARBON	1K	5%	1/4W F
R605	1-247-871-11	CARBON	47K	5%	1/4W
R606	1-249-417-11	CARBON	1K	5%	1/4W F
R607	1-249-431-11	CARBON	15K	5%	1/4W
R608	1-247-871-11	CARBON	47K	5%	1/4W
R609	1-247-871-11	CARBON	47K	5%	1/4W

Ref. No.	Part No.	Description			Remarks
R621	1-249-417-11	CARBON	1K	5%	1/4W F
R622	1-249-417-11	CARBON	1K	5%	1/4W F
R623	1-249-417-11	CARBON	1K	5%	1/4W F
R624	1-249-407-11	CARBON	150	5%	1/4W F
R625	1-249-407-11	CARBON	150	5%	1/4W F
R626	1-249-407-11	CARBON	150	5%	1/4W F
R627	1-249-407-11	CARBON	150	5%	1/4W F
R628	1-249-407-11	CARBON	150	5%	1/4W F
R630	1-249-407-11	CARBON	150	5%	1/4W F
R631	1-249-407-11	CARBON	150	5%	1/4W F
R633	1-247-879-11	CARBON	100K	5%	1/4W
R634	1-247-879-11	CARBON	100K	5%	1/4W
R638	1-247-847-11	CARBON	4.7K	5%	1/4W
R639	1-247-847-11	CARBON	4.7K	5%	1/4W
R640	1-247-839-11	CARBON	2.2K	5%	1/4W
R641	1-247-847-11	CARBON	4.7K	5%	1/4W
R642	1-247-847-11	CARBON	4.7K	5%	1/4W
R643	1-247-847-11	CARBON	4.7K	5%	1/4W
R644	1-247-847-11	CARBON	4.7K	5%	1/4W
R645	1-247-847-11	CARBON	4.7K	5%	1/4W
R646	1-247-847-11	CARBON	4.7K	5%	1/4W
R647	1-247-855-11	CARBON	10K	5%	1/4W
R648	1-247-855-11	CARBON	10K	5%	1/4W
R649	1-247-855-11	CARBON	10K	5%	1/4W
R651	1-247-827-11	CARBON	680	5%	1/4W
R652	1-249-416-11	CARBON	820	5%	1/4W F
R653	1-249-418-11	CARBON	1.2K	5%	1/4W F
R654	1-247-835-11	CARBON	1.5K	5%	1/4W
R655	1-247-839-11	CARBON	2.2K	5%	1/4W
R656	1-247-843-11	CARBON	3.3K	5%	1/4W
R657	1-247-847-11	CARBON	4.7K	5%	1/4W
R658	1-249-428-11	CARBON	8.2K	5%	1/4W F
R659	1-249-951-11	CARBON	15K	1%	1/4W
R660	1-249-957-11	CARBON	27K	1%	1/4W
R661	1-247-827-11	CARBON	680	5%	1/4W
R662	1-249-416-11	CARBON	820	5%	1/4W F
R663	1-249-418-11	CARBON	1.2K	5%	1/4W F
R664	1-247-835-11	CARBON	1.5K	5%	1/4W
R665	1-247-839-11	CARBON	2.2K	5%	1/4W
R666	1-247-843-11	CARBON	3.3K	5%	1/4W
R667	1-247-847-11	CARBON	4.7K	5%	1/4W
R668	1-249-428-11	CARBON	8.2K	5%	1/4W F
R669	1-247-827-11	CARBON	680	5%	1/4W
R670	1-249-416-11	CARBON	820	5%	1/4W F
R671	1-249-418-11	CARBON	1.2K	5%	1/4W F
R672	1-247-835-11	CARBON	1.5K	5%	1/4W
R673	1-247-839-11	CARBON	2.2K	5%	1/4W
R674	1-247-843-11	CARBON	3.3K	5%	1/4W
R675	1-247-847-11	CARBON	4.7K	5%	1/4W
R676	1-249-428-11	CARBON	8.2K	5%	1/4W F
R677	1-249-951-11	CARBON	15K	1%	1/4W
R678	1-249-957-11	CARBON	27K	1%	1/4W

< SWITCH >

S601	1-572-647-11	SWITCH, KEY BOARD (I/⏻)
S602	1-572-647-11	SWITCH, KEY BOARD (CLOCK/TIMER SET)
S603	1-572-647-11	SWITCH, KEY BOARD (TIMER SELECT)
S604	1-572-647-11	SWITCH, KEY BOARD (DISPLAY/DEMO)
S605	1-572-647-11	SWITCH, KEY BOARD (FILE SELECT)
S606	1-572-647-11	SWITCH, KEY BOARD (DBFB)
S607	1-572-647-11	SWITCH, KEY BOARD (+, ▶▶)
S608	1-572-647-11	SWITCH, KEY BOARD (–, ◀◀)
S609	1-572-647-11	SWITCH, KEY BOARD (▶▶I)
S610	1-572-647-11	SWITCH, KEY BOARD (I◀◀)
S611	1-572-647-11	SWITCH, KEY BOARD (■)
S612	1-572-647-11	SWITCH, KEY BOARD (TAPE B ►)
S614	1-572-647-11	SWITCH, KEY BOARD (CD ▶II)
S615	1-572-647-11	SWITCH, KEY BOARD (TUNER/BAND)
S616	1-572-647-11	SWITCH, KEY BOARD (REC)
S617	1-572-647-11	SWITCH, KEY BOARD (PAUSE)
S618	1-572-647-11	SWITCH, KEY BOARD (CD SYNC)
S619	1-572-647-11	SWITCH, KEY BOARD (TAPE A ►)
S620	1-572-647-11	SWITCH, KEY BOARD (FUNCTION)
S621	1-572-647-11	SWITCH, KEY BOARD (PLAY MODE,TUNER MEMORY)
S622	1-572-647-11	SWITCH, KEY BOARD (REPEAT,STERO/MONO)
S623	1-572-647-11	SWITCH, KEY BOARD (EDIT,RELAY)
S624	1-572-647-11	SWITCH, KEY BOARD (ENTER/NEXT)
S625	1-572-647-11	SWITCH, KEY BOARD (DISC 1)
S626	1-572-647-11	SWITCH, KEY BOARD (DISC 2)
S627	1-572-647-11	SWITCH, KEY BOARD (DISC 3)
S628	1-572-647-11	SWITCH, KEY BOARD (DISC SKIP,EX-CHANGE)
S629	1-572-647-11	SWITCH, KEY BOARD (⏏ OPEN/CLOSE)

< VIBRATOR >

X601	1-567-925-11	VIBRATOR, CRYSTAL (10MHz)

****

	1-674-552-11	H/P SUPPLY BOARD

****

< JACK >

JK502	1-569-612-11	JACK, MINIATURE (PHONES)

****

	A-4419-974-A	MAIN BOARD, COMPLETE

****

⚠	1-533-213-31	HOLDER, FUSE

< CAPACITOR >

C106	1-161-494-00	CERAMIC	0.022uF	25V
C108	1-104-665-11	ELECT	100uF 20%	10V
C109	1-164-159-11	CERAMIC	0.1uF	50V
C110	1-162-294-31	CERAMIC	0.001uF 10%	50V
C113	1-164-159-11	CERAMIC	0.1uF	50V
C114	1-137-399-11	FILM	0.1uF 5%	100V
C115	1-161-494-00	CERAMIC	0.022uF	25V
C116	1-136-356-11	FILM	470PF 5%	100V
C117	1-162-205-31	CERAMIC	18PF 5%	50V
C118	1-104-665-11	ELECT	100uF 20%	10V
C120	1-161-494-00	CERAMIC	0.022uF	25V
C121	1-162-203-31	CERAMIC	15PF 5%	50V
C122	1-126-960-11	ELECT	1uF 20%	50V
C123	1-126-959-11	ELECT	0.47uF 20%	50V
C124	1-162-206-31	CERAMIC	20PF 5%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

MAIN

Ref. No.	Part No.	Description			Remarks
C125	1-126-960-11	ELECT	1uF	20%	50V
C126	1-161-494-00	CERAMIC	0.022uF		25V
C127	1-126-964-11	ELECT	10uF	20%	50V
C128	1-161-494-00	CERAMIC	0.022uF		25V
C129	1-126-964-11	ELECT	10uF	20%	50V
C130	1-137-352-11	FILM	0.033uF	5%	100V
C131	1-137-352-11	FILM	0.033uF	5%	100V
C132	1-136-480-11	FILM	0.0015uF	5%	100V
C133	1-136-480-11	FILM	0.0015uF	5%	100V
C135	1-162-293-31	CERAMIC	820PF	10%	50V
C137	1-126-959-11	ELECT	0.47uF	20%	50V
C139	1-161-494-00	CERAMIC	0.022uF		25V
C140	1-104-665-11	ELECT	100uF	20%	10V
C141	1-161-494-00	CERAMIC	0.022uF		25V
C142	1-126-933-11	ELECT	100uF	20%	16V
C143	1-137-401-11	FILM	0.22uF	5%	100V
C144	1-137-150-11	FILM	0.01uF	5%	100V
C146	1-162-294-31	CERAMIC	0.001uF	10%	50V
C148	1-161-494-00	CERAMIC	0.022uF		25V
C149	1-162-294-31	CERAMIC	0.001uF	10%	50V
C150	1-164-159-11	CERAMIC	0.1uF		50V
C151	1-128-551-11	ELECT	22uF	20%	25V
C152	1-162-282-31	CERAMIC	100PF	10%	50V
C154	1-164-159-11	CERAMIC	0.1uF		50V
C155	1-162-294-31	CERAMIC	0.001uF	10%	50V
C156	1-162-209-31	CERAMIC	27PF	5%	50V
C157	1-162-209-31	CERAMIC	27PF	5%	50V
C158	1-104-664-11	ELECT	47uF	20%	16V
C159	1-162-306-11	CERAMIC	0.01uF	20%	16V
C160	1-126-963-11	ELECT	4.7uF	20%	50V
C161	1-126-963-11	ELECT	4.7uF	20%	50V
C162	1-161-494-00	CERAMIC	0.022uF		25V
C163	1-161-494-00	CERAMIC	0.022uF		25V
C164	1-126-962-11	ELECT	3.3uF	20%	50V
C165	1-162-306-11	CERAMIC	0.01uF	20%	16V
C177	1-161-494-00	CERAMIC	0.022uF		25V
C179	1-162-294-31	CERAMIC	0.001uF	10%	50V
C185	1-162-306-11	CERAMIC	0.01uF	20%	16V
C188	1-164-159-11	CERAMIC	0.1uF		50V
C189	1-162-600-11	CERAMIC	0.0047uF	30%	16V
C191	1-162-282-31	CERAMIC	100PF	10%	50V
C194	1-162-286-31	CERAMIC	220PF	10%	50V
C195	1-162-286-31	CERAMIC	220PF	10%	50V
C196	1-162-286-31	CERAMIC	220PF	10%	50V
C197	1-162-286-31	CERAMIC	220PF	10%	50V
C198	1-126-959-11	ELECT	0.47uF	20%	50V
C200	1-162-294-31	CERAMIC	0.001uF	10%	50V
C201	1-162-292-31	CERAMIC	680PF	10%	50V
C202	1-162-292-31	CERAMIC	680PF	10%	50V
C203	1-162-292-31	CERAMIC	680PF	10%	50V
C204	1-162-292-31	CERAMIC	680PF	10%	50V
C205	1-162-286-31	CERAMIC	220PF	10%	50V
C206	1-162-286-31	CERAMIC	220PF	10%	50V
C207	1-162-286-31	CERAMIC	220PF	10%	50V
C208	1-162-286-31	CERAMIC	220PF	10%	50V
C209	1-104-664-11	ELECT	47uF	20%	16V
C210	1-104-664-11	ELECT	47uF	20%	16V
C211	1-137-350-11	FILM	0.015uF	5%	100V
C212	1-137-350-11	FILM	0.015uF	5%	100V
C213	1-126-960-11	ELECT	1uF	20%	50V

Ref. No.	Part No.	Description			Remarks
C214	1-126-960-11	ELECT	1uF	20%	50V
C215	1-162-303-11	CERAMIC	0.0033uF	30%	16V
C216	1-162-303-11	CERAMIC	0.0033uF	30%	16V
C217	1-126-933-11	ELECT	100uF	20%	16V
C218	1-126-940-11	ELECT	330uF	20%	16V
C219	1-126-962-11	ELECT	3.3uF	20%	50V
C221	1-126-962-11	ELECT	3.3uF	20%	50V
C222	1-126-962-11	ELECT	3.3uF	20%	50V
C227	1-162-286-31	CERAMIC	220PF	10%	50V
C228	1-162-286-31	CERAMIC	220PF	10%	50V
C229	1-126-933-11	ELECT	100uF	20%	16V
C230	1-126-933-11	ELECT	100uF	20%	16V
C231	1-126-962-11	ELECT	3.3uF	20%	50V
C232	1-126-962-11	ELECT	3.3uF	20%	50V
C233	1-162-294-31	CERAMIC	0.001uF	10%	50V
C234	1-162-294-31	CERAMIC	0.001uF	10%	50V
C237	1-161-494-00	CERAMIC	0.022uF		25V
C238	1-126-961-11	ELECT	2.2uF	20%	50V
C251	1-162-286-31	CERAMIC	220PF	10%	50V
C252	1-162-286-31	CERAMIC	220PF	10%	50V
C253	1-162-286-31	CERAMIC	220PF	10%	50V
C254	1-126-960-11	ELECT	1uF	20%	50V
C255	1-162-286-31	CERAMIC	220PF	10%	50V
C256	1-162-286-31	CERAMIC	220PF	10%	50V
C259	1-126-934-11	ELECT	220uF	20%	16V
C281	1-162-306-11	CERAMIC	0.01uF	20%	16V
C283	1-126-960-11	ELECT	1uF	20%	50V
C284	1-126-960-11	ELECT	1uF	20%	50V
C285	1-126-960-11	ELECT	1uF	20%	50V
C286	1-126-933-11	ELECT	100uF	20%	16V
C291	1-137-351-11	FILM	0.022uF	5%	100V
C292	1-137-350-11	FILM	0.015uF	5%	100V
C293	1-137-150-11	FILM	0.01uF	5%	100V
C294	1-136-287-11	FILM	0.0047uF	5%	100V
C295	1-126-933-11	ELECT	100uF	20%	16V
C296	1-126-963-11	ELECT	4.7uF	20%	50V
C301	1-126-961-11	ELECT	2.2uF	20%	50V
C302	1-126-961-11	ELECT	2.2uF	20%	50V
C303	1-126-961-11	ELECT	2.2uF	20%	50V
C304	1-126-961-11	ELECT	2.2uF	20%	50V
C305	1-137-352-11	FILM	0.033uF	5%	100V
C306	1-137-352-11	FILM	0.033uF	5%	100V
C307	1-137-401-11	FILM	0.22uF	5%	100V
C308	1-137-401-11	FILM	0.22uF	5%	100V
C309	1-137-401-11	FILM	0.22uF	5%	100V
C310	1-137-401-11	FILM	0.22uF	5%	100V
C311	1-126-961-11	ELECT	2.2uF	20%	50V
C312	1-126-961-11	ELECT	2.2uF	20%	50V
C314	1-162-199-31	CERAMIC	10PF	5%	50V
C315	1-126-961-11	ELECT	2.2uF	20%	50V
C316	1-126-961-11	ELECT	2.2uF	20%	50V
C317	1-126-934-11	ELECT	220uF	20%	16V
C317A	1-164-159-11	CERAMIC	0.1uF		50V
C318	1-126-934-11	ELECT	220uF	20%	16V
C318A	1-164-159-11	CERAMIC	0.1uF		50V
C351	1-124-767-00	ELECT	2.2uF	20%	50V
C352	1-124-767-00	ELECT	2.2uF	20%	50V
C353	1-162-199-31	CERAMIC	10PF	5%	50V
C354	1-162-199-31	CERAMIC	10PF	5%	50V
C355	1-126-962-11	ELECT	3.3uF	20%	50V

Ref. No.	Part No.	Description			Remarks
C356	1-126-962-11	ELECT	3.3uF	20%	50V
C357	1-126-933-11	ELECT	100uF	20%	16V
C501	1-162-290-31	CERAMIC	470PF	10%	50V
C502	1-162-290-31	CERAMIC	470PF	10%	50V
C503	1-126-961-11	ELECT	2.2uF	20%	50V
C504	1-126-961-11	ELECT	2.2uF	20%	50V
C505	1-126-966-11	ELECT	33uF	20%	16V
C506	1-126-966-11	ELECT	33uF	20%	16V
C507	1-126-968-11	ELECT	100uF	20%	50V
C508	1-126-964-11	ELECT	10uF	20%	50V
C510	1-126-964-11	ELECT	10uF	20%	50V
C511	1-162-199-31	CERAMIC	10PF	5%	50V
C512	1-162-199-31	CERAMIC	10PF	5%	50V
C515	1-126-968-11	ELECT	100uF	20%	50V
C521	1-161-494-00	CERAMIC	0.022uF		25V
C522	1-161-494-00	CERAMIC	0.022uF		25V
C523	1-126-960-11	ELECT	1uF	20%	50V
C524	1-162-306-11	CERAMIC	0.01uF	20%	16V
C525	1-126-933-11	ELECT	100uF	20%	16V
C526	1-161-494-00	CERAMIC	0.022uF		25V
C527	1-126-963-11	ELECT	4.7uF	20%	50V
C528	1-126-933-11	ELECT	100uF	20%	16V
C541	1-137-354-11	FILM	0.1uF	5%	100V
C542	1-137-354-11	FILM	0.1uF	5%	100V
C543	1-162-302-11	CERAMIC	0.0022uF	20%	16V
C544	1-162-302-11	CERAMIC	0.0022uF	20%	16V
C545	1-162-302-11	CERAMIC	0.0022uF	20%	16V
C546	1-162-302-11	CERAMIC	0.0022uF	20%	16V
C700	1-124-767-00	ELECT	2.2uF	20%	50V
C701	1-126-974-11	ELECT	3300uF	20%	50V
C702	1-126-974-11	ELECT	3300uF	20%	50V
C703	1-104-987-11	FILM	0.001uF	5%	100V
C704	1-104-987-11	FILM	0.001uF	5%	100V
C705	1-104-987-11	FILM	0.001uF	5%	100V
C706	1-104-987-11	FILM	0.001uF	5%	100V
C707	1-161-494-00	CERAMIC	0.022uF		25V
C708	1-161-494-00	CERAMIC	0.022uF		25V
C709	1-126-967-11	ELECT	47uF	20%	50V
C711	1-128-548-11	ELECT	4700uF	20%	25V
C712	1-126-933-11	ELECT	100uF	20%	16V
C713	1-161-494-00	CERAMIC	0.022uF		25V
C714	1-161-494-00	CERAMIC	0.022uF		25V
C715	1-126-933-11	ELECT	100uF	20%	16V
C716	1-126-934-11	ELECT	220uF	20%	16V
C717	1-161-494-00	CERAMIC	0.022uF		25V
C718	1-161-494-00	CERAMIC	0.022uF		25V
C719	1-126-935-11	ELECT	470uF	20%	16V
C720	1-161-494-00	CERAMIC	0.022uF		25V
C721	1-126-968-11	ELECT	100uF	20%	50V
C722	1-161-494-00	CERAMIC	0.022uF		25V
C723	1-161-494-00	CERAMIC	0.022uF		25V
C724	1-128-553-11	ELECT	220uF	20%	63V
C725	1-126-948-11	ELECT	100uF	20%	35V
C726	1-161-494-00	CERAMIC	0.022uF		25V
C727	1-126-949-11	ELECT	220uF	20%	35V
C728	1-161-494-00	CERAMIC	0.022uF		25V
C729	1-161-494-00	CERAMIC	0.022uF		25V
C730	1-126-961-11	ELECT	2.2uF	20%	50V
C731	1-126-934-11	ELECT	220uF	20%	16V
C732	1-161-494-00	CERAMIC	0.022uF		25V

Ref. No.	Part No.	Description			Remarks
C733	1-126-933-11	ELECT	100uF	20%	16V
C734	1-162-286-31	CERAMIC	220PF	10%	50V
C735	1-104-665-11	ELECT	100uF	20%	25V
C741	1-104-664-11	ELECT	47uF	20%	25V
C751	1-126-933-11	ELECT	100uF	20%	16V
C752	1-161-494-00	CERAMIC	0.022uF		25V
C753	1-164-159-11	CERAMIC	0.1uF		50V
C754	1-126-933-11	ELECT	100uF	20%	16V
C756	1-161-494-00	CERAMIC	0.022uF		25V
		< FILTER >			
CF101	1-579-568-11	FILTER, CERAMIC			
CF102	1-567-390-11	FILTER,CERAMIC 10.7M			
CF103	1-527-996-11	FILTER, CERAMIC			
CF104	1-579-856-31	DISCRIMINATOR, CERAMIC			
		< CONNECTOR >			
* CN201	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN202	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
* CN203	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN251	1-568-834-11	SOCKET, CONNECTOR 15P			
* CN601	1-770-335-11	PIN, CONNECTOR (PC BOARD) 20P			
* CN701	1-564-511-11	PLUG, CONNECTOR 8P			
		< DIODE >			
D101	8-719-991-33	DIODE 1SS133T-77			
D102	8-719-991-33	DIODE 1SS133T-77			
D103	8-719-991-33	DIODE 1SS133T-77			
D104	8-719-991-33	DIODE 1SS133T-77			
D107	8-719-053-11	DIODE KV1560-TC34			
D109	8-719-991-33	DIODE 1SS133T-77			
D110	8-719-109-89	DIODE RD5.6ESB2			
D111	8-719-991-33	DIODE 1SS133T-77			
D201	8-719-991-33	DIODE 1SS133T-77			
D202	8-719-991-33	DIODE 1SS133T-77			
D203	8-719-991-33	DIODE 1SS133T-77			
D250	8-719-991-33	DIODE 1SS133T-77			
D251	8-719-991-33	DIODE 1SS133T-77			
D252	8-719-991-33	DIODE 1SS133T-77			
D281	8-719-991-33	DIODE 1SS133T-77			
D282	8-719-991-33	DIODE 1SS133T-77			
D302	8-719-109-63	DIODE RD3.0ESB2			
D303	8-719-109-63	DIODE RD3.0ESB2			
D501	8-719-991-33	DIODE 1SS133T-77			
D521	8-719-991-33	DIODE 1SS133T-77			
D522	8-719-991-33	DIODE 1SS133T-77			
D531	8-719-991-33	DIODE 1SS133T-77			
D551	8-719-991-33	DIODE 1SS133T-77			
D552	8-719-991-33	DIODE 1SS133T-77			
D700	8-719-074-96	DIODE GBU4D			
D701	8-719-200-02	DIODE 10E2			
D702	8-719-200-02	DIODE 10E2			
D703	8-719-200-02	DIODE 10E2			
D704	8-719-200-02	DIODE 10E2			
D705	8-719-921-40	DIODE MTZJ-4.7C			
D706	8-719-110-31	DIODE RD12ES-B2			
D707	8-719-110-08	DIODE RD8.2ES-B2			
D708	8-719-200-02	DIODE 10E2			
D709	8-719-200-02	DIODE 10E2			
D710	8-719-982-15	DIODE MTZJ-27B			

MAIN

Ref. No.	Part No.	Description	Remarks
D711	8-719-200-02	DIODE 10E2	
D715	8-719-991-33	DIODE 1SS133T-77	
D720	8-719-991-33	DIODE 1SS133T-77	
D751	8-719-109-93	DIODE RD6.2ESB2	
		< FUSE >	
⚠F701	1-576-108-11	FUSE 2A 250V	
		< FRONT END >	
FE101	1-639-469-11	FRONT END	
		< IC >	
IC102	8-759-590-14	IC LA1833L	
IC103	8-759-590-13	IC LC72131D	
IC201	8-759-242-58	IC TA8189N	
IC251	8-759-243-75	IC TC74ACT138P	
IC301	8-759-595-08	IC M62439SP	
IC501	8-749-015-42	IC STK407-040E	
IC502	8-759-111-68	IC UPC1237HA	
		< TERMINAL BOARD >	
JK101	1-694-092-21	TERMINAL BOARD (SPEAKER)	
JK501	1-694-092-11	TERMINAL BOARD (SPEAKER)	
		< COIL >	
L104	1-411-901-11	COIL, ANTENNA	
L105	1-429-555-11	TRANSFORMER, MW OSC	
L106	1-408-611-31	INDUCTOR 47mH	
L108	1-410-091-31	INDUCTOR 22mH	
L113	1-410-091-31	INDUCTOR 22mH	
L114	1-410-091-31	INDUCTOR 22mH	
L291	1-419-200-11	COIL, BIAS OSCILLATION	
L751	1-412-507-11	INDUCTOR 47uH	
		< TRANSISTOR >	
Q101	1-807-810-21	TRANSISTOR 2SC1675TP-L	
Q116	8-729-194-57	TRANSISTOR 2SC945-P	
Q117	8-729-194-57	TRANSISTOR 2SC945-P	
Q201	8-729-194-57	TRANSISTOR 2SC945-P	
Q202	8-729-194-57	TRANSISTOR 2SC945-P	
Q203	8-729-194-57	TRANSISTOR 2SC945-P	
Q204	8-729-194-57	TRANSISTOR 2SC945-P	
Q205	8-729-194-57	TRANSISTOR 2SC945-P	
Q206	8-729-194-57	TRANSISTOR 2SC945-P	
Q207	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q208	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q209	8-729-194-57	TRANSISTOR 2SC945-P	
Q213	8-729-194-57	TRANSISTOR 2SC945-P	
Q214	8-729-194-57	TRANSISTOR 2SC945-P	
Q251	8-729-194-57	TRANSISTOR 2SC945-P	
Q252	8-729-993-43	TRANSISTOR 2SA934R	
Q253	8-729-993-43	TRANSISTOR 2SA934R	
Q254	8-729-194-57	TRANSISTOR 2SC945-P	
Q255	8-729-194-57	TRANSISTOR 2SC945-P	
Q256	8-729-993-43	TRANSISTOR 2SA934R	
Q281	8-729-194-57	TRANSISTOR 2SC945-P	
Q282	8-729-194-57	TRANSISTOR 2SC945-P	
Q291	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q292	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q293	8-729-194-57	TRANSISTOR 2SC945-P	
Q351	8-729-194-57	TRANSISTOR 2SC945-P	
Q352	8-729-194-57	TRANSISTOR 2SC945-P	
Q521	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q522	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q523	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q551	8-729-231-55	TRANSISTOR 2SC2878-AB	
Q552	8-729-231-55	TRANSISTOR 2SC2878-AB	
Q571	8-729-231-55	TRANSISTOR 2SC2878-AB	
Q572	8-729-231-55	TRANSISTOR 2SC2878-AB	
Q702	8-729-188-23	TRANSISTOR 2SD882-P	
Q703	8-729-232-32	TRANSISTOR 2SA965	
Q704	8-729-048-99	TRANSISTOR 2SK2541	
Q705	8-729-048-99	TRANSISTOR 2SK2541	
Q706	8-729-140-96	TRANSISTOR 2SD774-34	
Q751	8-729-140-96	TRANSISTOR 2SD774-34	
		< RESISTOR >	
R100	1-249-427-11	CARBON 6.8K 5% 1/4W	F
R104	1-247-807-11	CARBON 100 5% 1/4W	
R105	1-249-417-11	CARBON 1K 5% 1/4W	F
R106	1-247-849-11	CARBON 5.6K 5% 1/4W	
R107	1-249-427-11	CARBON 6.8K 5% 1/4W	F
R111	1-247-843-11	CARBON 3.3K 5% 1/4W	
R112	1-247-807-11	CARBON 100 5% 1/4W	
R113	1-249-417-11	CARBON 1K 5% 1/4W	F
R114	1-247-871-11	CARBON 47K 5% 1/4W	
R115	1-249-417-11	CARBON 1K 5% 1/4W	F
R116	1-249-397-11	CARBON 22 5% 1/4W	F
R117	1-247-855-11	CARBON 10K 5% 1/4W	
R118	1-247-807-11	CARBON 100 5% 1/4W	
R119	1-249-410-11	CARBON 270 5% 1/4W	F
R120	1-247-843-11	CARBON 3.3K 5% 1/4W	
R121	1-249-432-11	CARBON 18K 5% 1/4W	
R122	1-249-436-11	CARBON 39K 5% 1/4W	
R123	1-249-428-11	CARBON 8.2K 5% 1/4W	F
R124	1-247-855-11	CARBON 10K 5% 1/4W	
R125	1-249-431-11	CARBON 15K 5% 1/4W	
R126	1-247-843-11	CARBON 3.3K 5% 1/4W	
R127	1-247-843-11	CARBON 3.3K 5% 1/4W	
R128	1-249-431-11	CARBON 15K 5% 1/4W	
R129	1-249-431-11	CARBON 15K 5% 1/4W	
R130	1-247-739-11	CARBON 100 5% 1/2W	F
R131	1-249-417-11	CARBON 1K 5% 1/4W	F
R132	1-247-855-11	CARBON 10K 5% 1/4W	
R133	1-247-849-11	CARBON 5.6K 5% 1/4W	
R134	1-247-855-11	CARBON 10K 5% 1/4W	
R135	1-249-417-11	CARBON 1K 5% 1/4W	F
R136	1-247-879-11	CARBON 100K 5% 1/4W	
R137	1-247-855-11	CARBON 10K 5% 1/4W	
R138	1-247-807-11	CARBON 100 5% 1/4W	
R139	1-247-855-11	CARBON 10K 5% 1/4W	
R140	1-247-839-11	CARBON 2.2K 5% 1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remarks
R141	1-249-417-11	CARBON	1K	5%	1/4W F
R142	1-249-417-11	CARBON	1K	5%	1/4W F
R143	1-249-417-11	CARBON	1K	5%	1/4W F
R144	1-249-411-11	CARBON	330	5%	1/4W
R145	1-249-409-11	CARBON	220	5%	1/4W F
R147	1-247-843-11	CARBON	3.3K	5%	1/4W
R151	1-247-843-11	CARBON	3.3K	5%	1/4W
R154	1-247-847-11	CARBON	4.7K	5%	1/4W
R156	1-247-863-11	CARBON	22K	5%	1/4W
R157	1-247-863-11	CARBON	22K	5%	1/4W
R201	1-249-393-11	CARBON	10	5%	1/4W F
R202	1-249-393-11	CARBON	10	5%	1/4W F
R203	1-249-393-11	CARBON	10	5%	1/4W F
R204	1-249-393-11	CARBON	10	5%	1/4W F
R205	1-249-403-11	CARBON	68	5%	1/4W F
R206	1-249-403-11	CARBON	68	5%	1/4W F
R207	1-249-428-11	CARBON	8.2K	5%	1/4W F
R208	1-249-428-11	CARBON	8.2K	5%	1/4W F
R209	1-247-889-00	CARBON	270K	5%	1/4W
R210	1-247-889-00	CARBON	270K	5%	1/4W
R211	1-247-891-00	CARBON	330K	5%	1/4W
R212	1-247-891-00	CARBON	330K	5%	1/4W
R213	1-247-847-11	CARBON	4.7K	5%	1/4W
R214	1-247-847-11	CARBON	4.7K	5%	1/4W
R215	1-247-891-00	CARBON	330K	5%	1/4W
R216	1-247-891-00	CARBON	330K	5%	1/4W
R217	1-249-409-11	CARBON	220	5%	1/4W F
R218	1-249-409-11	CARBON	220	5%	1/4W F
R219	1-247-871-11	CARBON	47K	5%	1/4W
R220	1-247-863-11	CARBON	22K	5%	1/4W
R221	1-247-855-11	CARBON	10K	5%	1/4W
R222	1-249-409-11	CARBON	220	5%	1/4W F
R223	1-247-885-00	CARBON	180K	5%	1/4W
R224	1-247-885-00	CARBON	180K	5%	1/4W
R225	1-247-863-11	CARBON	22K	5%	1/4W
R226	1-247-863-11	CARBON	22K	5%	1/4W
R227	1-247-881-00	CARBON	120K	5%	1/4W
R228	1-247-881-00	CARBON	120K	5%	1/4W
R229	1-249-418-11	CARBON	1.2K	5%	1/4W F
R230	1-249-418-11	CARBON	1.2K	5%	1/4W F
R231	1-247-839-11	CARBON	2.2K	5%	1/4W
R232	1-247-839-11	CARBON	2.2K	5%	1/4W
R233	1-247-863-11	CARBON	22K	5%	1/4W
R234	1-247-863-11	CARBON	22K	5%	1/4W
R235	1-247-847-11	CARBON	4.7K	5%	1/4W
R236	1-247-847-11	CARBON	4.7K	5%	1/4W
R239	1-249-381-11	CARBON	1	5%	1/4W F
R240	1-247-855-11	CARBON	10K	5%	1/4W
R241	1-247-847-11	CARBON	4.7K	5%	1/4W
R242	1-247-847-11	CARBON	4.7K	5%	1/4W
R243	1-249-430-11	CARBON	12K	5%	1/4W
R244	1-247-839-11	CARBON	2.2K	5%	1/4W
R245	1-247-839-11	CARBON	2.2K	5%	1/4W
R246	1-249-434-11	CARBON	27K	5%	1/4W
R247	1-247-855-11	CARBON	10K	5%	1/4W
R248	1-247-847-11	CARBON	4.7K	5%	1/4W
R249	1-247-855-11	CARBON	10K	5%	1/4W
R251	1-249-417-11	CARBON	1K	5%	1/4W F
R252	1-249-417-11	CARBON	1K	5%	1/4W F
R253	1-249-417-11	CARBON	1K	5%	1/4W F
R254	1-247-847-11	CARBON	4.7K	5%	1/4W
R255	1-249-417-11	CARBON	1K	5%	1/4W F
R256	1-249-417-11	CARBON	1K	5%	1/4W F
R257	1-249-417-11	CARBON	1K	5%	1/4W F
R258	1-247-863-11	CARBON	22K	5%	1/4W
R259	1-247-847-11	CARBON	4.7K	5%	1/4W
R260	1-247-847-11	CARBON	4.7K	5%	1/4W
R261	1-247-847-11	CARBON	4.7K	5%	1/4W
R262	1-249-413-11	CARBON	470	5%	1/4W F
R263	1-247-855-11	CARBON	10K	5%	1/4W
R264	1-249-417-11	CARBON	1K	5%	1/4W F
R265	1-247-847-11	CARBON	4.7K	5%	1/4W
R266	1-247-847-11	CARBON	4.7K	5%	1/4W
R267	1-247-847-11	CARBON	4.7K	5%	1/4W
R268	1-247-863-11	CARBON	22K	5%	1/4W
R269	1-249-417-11	CARBON	1K	5%	1/4W F
R270	1-247-847-11	CARBON	4.7K	5%	1/4W
R271	1-249-417-11	CARBON	1K	5%	1/4W F
R272	1-247-855-11	CARBON	10K	5%	1/4W
R273	1-247-855-11	CARBON	10K	5%	1/4W
R274	1-247-839-11	CARBON	2.2K	5%	1/4W
R275	1-249-417-11	CARBON	1K	5%	1/4W F
R276	1-247-855-11	CARBON	10K	5%	1/4W
R279	1-247-879-11	CARBON	100K	5%	1/4W
R280	1-247-855-11	CARBON	10K	5%	1/4W
R281	1-247-855-11	CARBON	10K	5%	1/4W
R282	1-247-885-00	CARBON	180K	5%	1/4W
R283	1-249-409-11	CARBON	220	5%	1/4W F
R284	1-247-899-11	CARBON	680K	5%	1/4W
R285	1-247-855-11	CARBON	10K	5%	1/4W
R286	1-249-411-11	CARBON	330	5%	1/4W
R287	1-247-885-00	CARBON	180K	5%	1/4W
R288	1-247-899-11	CARBON	680K	5%	1/4W
R289	1-247-855-11	CARBON	10K	5%	1/4W
R290	1-249-411-11	CARBON	330	5%	1/4W
R291	1-249-434-11	CARBON	27K	5%	1/4W
R292	1-249-393-11	CARBON	10	5%	1/4W F
R293	1-249-411-11	CARBON	330	5%	1/4W
R294	1-247-855-11	CARBON	10K	5%	1/4W
R295	1-247-847-11	CARBON	4.7K	5%	1/4W
R296	1-247-871-11	CARBON	47K	5%	1/4W
R299	1-247-846-11	CARBON	4.3K	5%	1/4W
R301	1-249-428-11	CARBON	8.2K	5%	1/4W F
R302	1-249-428-11	CARBON	8.2K	5%	1/4W F
R303	1-247-847-11	CARBON	4.7K	5%	1/4W
R304	1-247-847-11	CARBON	4.7K	5%	1/4W
R307	1-247-871-11	CARBON	47K	5%	1/4W
R308	1-247-871-11	CARBON	47K	5%	1/4W
R309	1-247-871-11	CARBON	47K	5%	1/4W
R310	1-247-871-11	CARBON	47K	5%	1/4W
R311	1-247-871-11	CARBON	47K	5%	1/4W
R312	1-247-871-11	CARBON	47K	5%	1/4W
R313	1-247-871-11	CARBON	47K	5%	1/4W
R314	1-247-871-11	CARBON	47K	5%	1/4W
R315	1-247-835-11	CARBON	1.5K	5%	1/4W
R316	1-247-835-11	CARBON	1.5K	5%	1/4W
R317	1-247-835-11	CARBON	1.5K	5%	1/4W
R318	1-247-835-11	CARBON	1.5K	5%	1/4W
R319	1-247-835-11	CARBON	1.5K	5%	1/4W
R320	1-247-835-11	CARBON	1.5K	5%	1/4W

MAIN MOTOR MOTOR (6P) (S)

Ref. No.	Part No.	Description			Remarks
R321	1-247-839-11	CARBON	2.2K	5%	1/4W
R322	1-247-839-11	CARBON	2.2K	5%	1/4W
R323	1-247-855-11	CARBON	10K	5%	1/4W
R324	1-247-855-11	CARBON	10K	5%	1/4W
R325	1-249-430-11	CARBON	12K	5%	1/4W
R326	1-247-855-11	CARBON	10K	5%	1/4W
R327	1-247-839-11	CARBON	2.2K	5%	1/4W
R329	1-249-434-11	CARBON	27K	5%	1/4W
R330	1-249-434-11	CARBON	27K	5%	1/4W
R331	1-249-417-11	CARBON	1K	5%	1/4W F
R332	1-247-827-11	CARBON	680	5%	1/4W
R351	1-249-427-11	CARBON	6.8K	5%	1/4W F
R352	1-249-427-11	CARBON	6.8K	5%	1/4W F
R353	1-247-897-11	CARBON	560K	5%	1/4W
R354	1-247-897-11	CARBON	560K	5%	1/4W
R355	1-249-418-11	CARBON	1.2K	5%	1/4W F
R356	1-249-418-11	CARBON	1.2K	5%	1/4W F
R357	1-249-413-11	CARBON	470	5%	1/4W F
R503	1-249-438-11	CARBON	56K	5%	1/4W
R504	1-249-438-11	CARBON	56K	5%	1/4W
R505	1-249-420-11	CARBON	1.8K	5%	1/4W F
R506	1-249-420-11	CARBON	1.8K	5%	1/4W F
R507	1-247-862-11	CARBON	20K	5%	1/4W
R508	1-247-739-11	CARBON	100	5%	1/2W F
R509	1-249-438-11	CARBON	56K	5%	1/4W
R510	1-249-438-11	CARBON	56K	5%	1/4W
R511	1-247-739-11	CARBON	100	5%	1/2W F
R515	1-220-755-11	METAL	0.22	10%	2W
R516	1-220-755-11	METAL	0.22	10%	2W
R521	1-247-879-11	CARBON	100K	5%	1/4W
R522	1-247-879-11	CARBON	100K	5%	1/4W
R523	1-249-417-11	CARBON	1K	5%	1/4W F
R524	1-249-417-11	CARBON	1K	5%	1/4W F
R525	1-249-431-11	CARBON	15K	5%	1/4W
R526	1-249-431-11	CARBON	15K	5%	1/4W
R527	1-247-839-11	CARBON	2.2K	5%	1/4W
R528	1-249-430-11	CARBON	12K	5%	1/4W
R529	1-249-430-11	CARBON	12K	5%	1/4W
R530	1-247-871-11	CARBON	47K	5%	1/4W
R531	1-247-879-11	CARBON	100K	5%	1/4W
R532	1-247-855-11	CARBON	10K	5%	1/4W
R533	1-249-417-11	CARBON	1K	5%	1/4W F
R534	1-249-438-11	CARBON	56K	5%	1/4W
R535	1-247-847-11	CARBON	4.7K	5%	1/4W
R543	1-260-288-11	CARBON	0.47	5%	1/2W F
R544	1-260-288-11	CARBON	0.47	5%	1/2W F
R545	1-249-413-11	CARBON	470	5%	1/4W F
R546	1-249-413-11	CARBON	470	5%	1/4W F
R551	1-247-839-11	CARBON	2.2K	5%	1/4W
R552	1-247-839-11	CARBON	2.2K	5%	1/4W
R553	1-247-879-11	CARBON	100K	5%	1/4W
R554	1-247-841-11	CARBON	2.7K	5%	1/4W
R555	1-247-903-00	CARBON	1M	5%	1/4W
R571	1-247-839-11	CARBON	2.2K	5%	1/4W
R572	1-247-839-11	CARBON	2.2K	5%	1/4W
R701	1-247-807-11	CARBON	100	5%	1/4W
R702	1-247-807-11	CARBON	100	5%	1/4W
R704	1-249-411-11	CARBON	330	5%	1/4W
R705	1-249-411-11	CARBON	330	5%	1/4W
R706	1-215-863-11	METAL OXIDE	100	5%	1W F
R707	1-215-863-11	METAL OXIDE	100	5%	1W F
R708	1-249-413-11	CARBON	470	5%	1/4W F
R709	1-247-847-11	CARBON	4.7K	5%	1/4W
R710	1-247-855-11	CARBON	10K	5%	1/4W
R711	1-215-869-11	METAL OXIDE	1K	5%	1W F
R712	1-249-417-11	CARBON	1K	5%	1/4W F
R715	1-247-839-11	CARBON	2.2K	5%	1/4W
R716	1-247-863-11	CARBON	22K	5%	1/4W
R717	1-247-855-11	CARBON	10K	5%	1/4W
R751	1-215-880-11	METAL OXIDE	10	5%	2W F
R752	1-249-413-11	CARBON	470	5%	1/4W F

< RELAY >

RL501	1-515-921-11	RELAY (12V)	

< ADJUSTABLE RESISTOR >

SFR101	1-230-723-11	RES, ADJ, CARBON 47K	
SFR251	1-228-991-00	RES, ADJ, METAL 2.2K	

< TRANSFORMER >

T102	1-429-554-11	TRANSFORMER, AM IFT	

< TRIMMER CAPACITOR >

TC102	1-141-304-21	CAP, TRIMMER	10PF

< VIBRATOR >

X101	1-579-585-11	VIBRATOR, CRYSTAL (7.2MHz)	

****

	1-674-792-11	MOTOR BOARD	

****

< CAPACITOR >

C775	1-124-259-11	ELECT	4.7uF	20%	50V
C776	1-164-159-11	CERAMIC	0.1uF	50V	

< CONNECTOR >

* CN06	1-568-824-11	SOCKET, CONNECTOR 5P	

****

*	1-639-678-12	MOTOR (6P) (S) BOARD	

****

< CONNECTOR >

CN1	1-564-722-11	PIN, CONNECTOR (SMALL TYPE) 6P	

< MOTOR >

M101	X-2625-877-1	MOTOR ASSY (SPINDLE)	
M102	X-2625-769-1	MOTOR ASSY (SLED)	

< SWITCH >

S1	1-572-085-11	SWITCH, LEAF (LIMIT)	

****

SENSOR **SW (A)** **SW (B)** **SW (C)** **SW (D)** **TR** **VR SWITCH**

Ref. No.	Part No.	Description	Remarks
	1-674-549-11	SENSOR BOARD	
		**********	
		< CAPACITOR >	
C600	1-126-964-11	ELECT 10uF 20% 50V	
		< SENSOR >	
RM601	8-749-013-84	IC SPS-447-1 (REMOTE SENSOR)	
	1-674-788-11	SW (A) BOARD	
		**********	
		< SWITCH >	
S04	1-771-169-11	SWITCH (TURN TABLE OPERATION)	
	1-674-789-11	SW (B) BOARD	
		**********	
		< SWITCH >	
S03	1-771-169-11	SWITCH (TURN TABLE POSITION)	
	1-674-790-11	SW (C) BOARD	
		**********	
S02	1-571-300-31	SWITCH, ROTART (OPEN/CLOSE)	
	1-674-791-11	SW (D) BOARD	
		**********	
		< SWITCH >	
S01	1-571-300-31	SWITCH, ROTARY (OPTICAL PICK-UP DET)	
	1-674-554-11	TR BOARD	
		********	
Q701	8-729-822-89	TRANSISTOR 2SD1667	
	1-674-553-11	VR SWITCH BOARD	
		**********	
		< VARIABLE RESISTOR >	
VR601	1-475-807-11	ENCODER, ROTARY (VOLUME)	

Ref. No.	Part No.	Description	Remarks
		MISCELLANEOUS	
		**********	
⚠6	1-783-531-51	CORD, POWER	
58	1-783-579-11	WIRE (FRAT TYPE) (16 CORE)	
62	1-772-163-11	DECK, MECH	
78	1-769-273-11	WIRE (FLAT TYPE) (22 CORE)	
251	1-769-856-11	WIRE (FLAT TYPE) (5 CORE)	
⚠308	8-820-054-03	OPTICAL PICK-UP KSS-213ECM/C2NP	
310	1-783-740-11	WIRE (FLAT TYPE)	
M101	X-2625-877-1	MOTOR ASSY (SPINDLE)	
M102	X-2625-769-1	MOTOR ASSY (SLED)	
M103	X-4948-765-1	MOTOR ASSY (TURN TABLE)	
M104	X-4948-766-1	MOTOR ASSY (A)	
⚠PT302	1-433-916-11	TRANSFORMER, POWER	
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-475-827-11	REMOTE COMMANDER (RM-SG7)	
	1-501-374-11	ANTENNA, LOOP	
	1-501-594-11	ANTENNA (FM)	
	3-866-221-11	MANUAL, INSTRUCTION (ENGLISH)	
	3-866-221-21	MANUAL, INSTRUCTION (SPANISH)	
	4-982-031-01	COVER, BATTERY (for RM-SG7)	
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-246-19	SCREW +KTP 3 × 8 TYPE2 NON-SLIT	
#2	7-685-660-79	SCREW +PTPWH 4 × 10 TYPE 2	
#3	7-685-903-31	SCREW +PTPWH 3 × 10 (TYPE2)	
#4	7-682-548-09	SCREW +B 3 × 8	
#5	7-685-647-79	SCREW +BVTP 3 × 10 TYPE2 N-S	
#6	7-685-648-79	SCREW +BVTP 3 × 12 TYPE2 N-S	
#7	7-685-649-14	SCREW +BVTP 3 × 14 TYPE2 N-S	
#8	7-685-106-19	SCREW +P 2 × 10 TYPE2 SLIT	
#9	7-685-131-19	SCREW +P 2.6 × 4 TYPE2 SLIT	
#10	7-685-138-19	SCREW +BTP 2.6 × 16 TYPE2 N-S	
#11	7-685-902-21	SCREW +PTPWH 2.6 × 8 (TYPE2)	
#12	7-624-118-01	RING, RETAINING E-2.5	
#13	7-685-903-21	SCREW +PTPWH 3 × 8 (TYPE2)	
#14	7-685-139-29	SCREW, TAPPING, (M2.6 × 20)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

9-928-883-11

Sony Corporation
Home A&V Products Company

99D1619-1D
Printed in Japan ©1999.4
Published by Quality Assurance Dept.
(Shinagawa)